

# FLORIDA *Highways*

**MAY 1946**  
**Price 25 cents**



FLORIDA STATE LIBRARY

**IN THIS ISSUE:**

***Florida Byways***  
***Internes in Government***  
***Office Crowding***





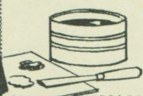
# Florida Increases Production of TUNG OIL!

**T**ung oil, because it possesses distinctive chemical characteristics which cannot be found in other agents, is in enormous demand by American industry. Now, with business booming, the present domestic output of tung oil is equal to only 6% of our country's needs. To meet this demand, Florida has upped its output until it now ranks among the highest producers in the

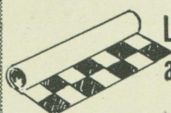
United States. All factors point to a greater production of tung oil in Florida.



**TUNG OIL**  
*is used in*



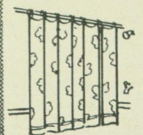
**PRINTING  
INKS**



**LINOLEUM  
and OIL CLOTH**



**PAINT and  
VARNISH**



**WATER-PROOFED  
FABRICS**

## FACTS about Florida Tung Oil!

- 1** Florida has 3 of the 12 tung oil plants in the United States.
- 2** Florida's soil and climate are ideally suited to the growth of tung oil trees.
- 3** Florida has developed tung oil trees of higher productivity.
- 4** Florida tung oil has proved to be of superior quality.

FOR FURTHER INFORMATION, CONTACT ANY FLORIDA POWER & LIGHT COMPANY MANAGER OR THE FLORIDA STATE CHAMBER OF COMMERCE.



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### OUR COVER PICTURE

Sand dunes and pine trees near Panama City, Florida, typical of much of Florida's scenic shoreline.

### PHOTOGRAPHERS CREDIT

Cover Picture by Charles J. Belden.

Sunset Pictures by William P. Baldwin, Jr.

Pictures of Internes in Government by Bertha Bloodworth, FSCW Publicity Director.

Pictures of Office Crowding by Forrest Granger.

Picture of Stowe Lodge by Associated Advertising Agency, Inc.

Picture of Apalachicola church, Suwannee River and Money Bayou by State News Bureau.

### CLAIM DEVELOPMENT OF SUMMER ORANGE

Development of a summer orange tree is claimed by a Lakeland firm, and if all that is said for it is true, the new orange may prove to be an important factor in orange production and shipping from this state. The summer orange matures from June to September and quality improves if left on the trees until late in the summer. Its exponents declare it to be a fine, deep-colored orange of smooth texture, seedless and as full of juice as all Florida oranges.

The summer orange is now under cultivation on 4,000 acres of grove land extending from Fort Pierce to Dade City, with 1,000 acres in our neighboring Orange county. The fruit was developed from a single tree by octogenarian Fred W. Pope of Polk County.—Titusville Star-Advocate.

## 5 KLOEPPEL Hotels in FLORIDA

### JACKSONVILLE

#### Hotel GEORGE WASHINGTON

300 Rooms with Bath and Shower.  
The Wonder Hotel of the South. Radio and every known facility for first class operation.  
GARAGE in direct connection with lobby.

RATES...from \$3.50



#### Hotel MAYFLOWER

300 Rooms with Bath and Shower.  
Famed for its hospitality and favored alike by Winter visitors and Commercial Travelers. Radio. GARAGE in direct connection with lobby.

RATES...from \$3.00

#### The JEFFERSON

125 Rooms with Bath and Shower.  
Completely modern...New furniture and furnishings. Air conditioned Lobby and Coffee Shop...Garage directly connected with Lobby.

RATES...from \$2.00

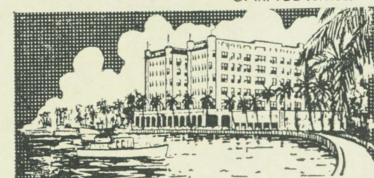


### WEST PALM BEACH



#### Hotel PENNSYLVANIA

formerly The Royal Worth  
300 Rooms with Baths and Showers  
Open all the year. Outstanding hotel service and modern conveniences for discriminating guests.  
GARAGE service.



#### Hotel GEORGE WASHINGTON

200 Rooms with Baths and Showers  
Open all the year. Radio and every modern convenience and service for summer and winter comfort.  
GARAGE service.

★ Reasonable Rates Posted in Every Room

ROBERT KLOEPPEL MANAGEMENT

## ... In Daytona Beach THE SHERATON PLAZA

"ON THE OCEAN"

OPEN ALL YEAR

SHERATON RESORT HOTELS OF DISTINCTION

JOHN E. LEONARD, General Manager





Midway Between Bok Singing Tower and  
Beautiful Cypress Gardens.

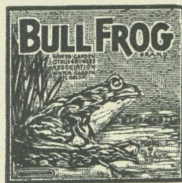
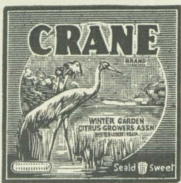
VISITORS  
are cordially welcomed at the large modern  
citrus packing house of

**WAVERLY  
GROWERS COOPERATIVE**

**Waverly**  
BRANDS

WAVERLY, FLORIDA

## Winter Garden Citrus Growers' Association



**CRANE, BULL FROG, SKY KING, MOR-JUCE, SEALD-SWEET BRANDS**

Affiliated With

**Florida Citrus Exchange - Growers' Cooperative Marketing Association**

WINTER GARDEN

P. C. Peters, Secy.-Mgr.

FLORIDA

# Florida Equipment Company

*A Florida Organization to serve You*

Jacksonville  
Tampa  
Miami

ROAD MACHINERY—CONSTRUCTION EQUIPMENT AND SUPPLIES

J. D. ADAMS COMPANY—Motor Graders, Leaning Wheel Graders.  
ATHENS PLOW COMPANY—Plows, Disc Harrows, Tillers.  
BUDA COMPANY—Diesel and Gas Engines, Generator Sets.  
BLAW KNOX COMPANY—Bin Batchers, Bulk Cement Plants, Steel Forms, and Clam Shell Buckets.  
BUCKEYE TRACTION-DITCHER COMPANY—Ditchers, Chip Spreaders, and Fine-graders.  
J. I. CASE CO.—Industrial Wheel Type Tractors, Mowers and Power Units.  
GORMAN-RUPP COMPANY—Pumps, self priming, centrifugal, triplex and irrigation.  
HELL COMPANY—Dump Bodies.



HERCULES COMPANY—Road Rollers.  
KOEHRING COMPANY—Draglines, Shovels, Cranes, Dumpsters, crete Pavers and Finishers, Mud Jacks.  
KWIK-MIX COMPANY—Concrete, Bituminous, and Plaster Mixers.  
R. G. LeTOURNEAU, INC.—Tournapulls, Carryalls, Scrapers, Dumpsters, Rooters, Cranes, Power Control Units.  
SEAMAN MOTORS—Pulvi Mixers, Fire Apparatus.  
SHOVEL SUPPLY COMPANY—Construction Equipment and Rollers.  
STANDARD STEEL CORP.—Asphalt Plants.  
STANDARD STEEL WORKS—Asphalt, Distributors, Tar Kettles, and Transports.  
SCHRAMM INCORPORATED—Air Compressors, Gas, Electric Diesel.

**SALES—SERVICE—RENTALS**

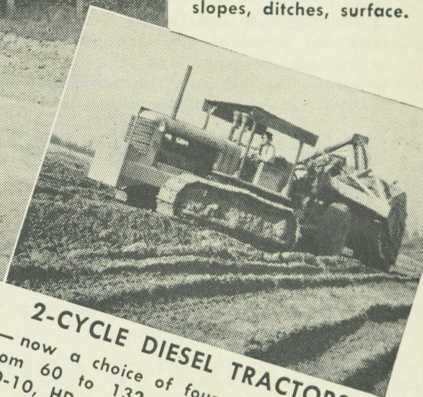
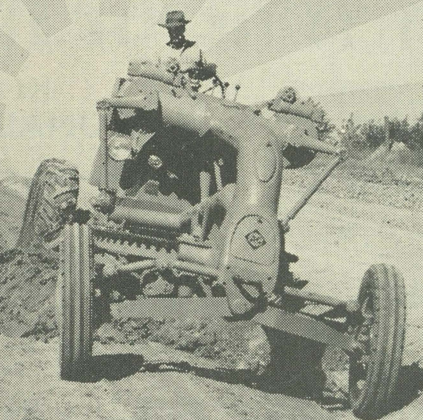


# a NEW DAY for Construction

## ... IN THE ALLIS-CHALMERS 1946 LINE-UP OF EQUIPMENT\*

### MODEL A-D MOTOR GRADER

— 75 Diesel h.p. engine  
... more traction, more  
clearance ... a full range  
of blade positions for handling  
complete grading —  
slopes, ditches, surface.



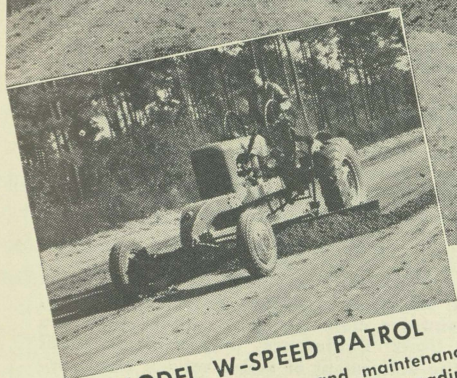
### 2-CYCLE DIESEL TRACTORS

— now a choice of four models, ranging  
from 60 to 132 drawbar h.p. — HD-7,  
HD-10, HD-14, HD-14C (Torque Converter  
Tractor) — with matched allied equipment  
— cable and hydraulic bulldozers and scrap-  
ers ... snow plows, winches, sheepfoot  
rollers, rippers.



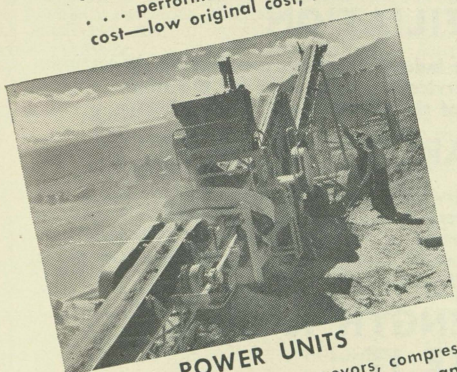
### MODEL I-B WHEEL TRACTOR

— the ideal, economical unit for countless  
pulling and pushing jobs—especially pop-  
ular for sweeping streets, blacktop, snow.



### MODEL W-SPEED PATROL

— for light construction and maintenance  
... performs at fraction of usual grading  
cost—low original cost, low operating cost.



### POWER UNITS

— for driving crushers, conveyors, compres-  
sors, screens, shovels, draglines, pumps and  
other equipment. Available with various ac-  
cessories to fit the application. 5 sizes.  
Choice of fuels.

Up-to-the-minute in design!  
Modern in performance!

A new high in productivity..  
a new ease in operation..  
a new low in grading cost.

It's a New Day for  
construction men ...  
with Allis-Chalmers power!

\* MORE MACHINES ARE TO BE  
ADDED... Watch for Announcements!

SEE  
YOUR **ALLIS-CHALMERS** DEALER

Farm & Home Machinery Company, Inc. Llewellyn Machinery Corporation

Orlando, Florida

Miami, Florida

Seabrook Hardware Company

Tallahassee, Florida

ALLIS-CHALMERS TRACTOR DIVISION, MILWAUKEE 1, U.S.A.



# Membership in the FLORIDA TRUCKING ASSOCIATION, Inc.

## Is IMPORTANT To You - And HERE'S WHY

### NEED FOR ORGANIZATION

Members of practically every industry are today organized for political and economic effectiveness into one or more associations, and the ability of the individual to progress "on his own" in an industrial world, so organized, is like "a voice calling alone in the wilderness."

### ALL-INCLUSIVE REPRESENTATION

It maintains the Allied Industries, Regular Route Common Carrier, Irregular Route Common Carrier, Contract Carrier, Household Goods Carrier, Local Cartage Carrier, Exempt Private Carriers, and Private Carriers' Divisions of the Association, conducting meetings for and giving special attention to the particular problems of each of these groups.

### GOVERNMENT CONTACT

It maintains active, personal contact with Departments of the City, State and Federal Government, including the Motor Vehicle Department, the Department of Revenue, the State Road Department, the Florida Highway Patrol, the Florida Railroad Commission, the Interstate Commerce Commission.

### LEGISLATIVE ACTIVITIES

It vigorously opposes legislation unfavorable to the Industry and sponsors laws which will promote sound development of highway transportation; obtains liberal and just interpretations of existing laws and rules affecting the Industry. This activity over a period of years, has resulted in savings of thousands of dollars in operating costs of motor vehicles in Florida.

It was successful in getting the load limit increased to 60,000 pounds and the length to 50 feet and secured reductions in un-employment compensation, Insurance Rates and mileage taxes. Through representation in and constant vigilance during Legislative Assembly, it was successful in defeating proposed inimical legislative measures.

### SAFETY PROMOTION

It presents the story of the Industry and facts about highway transportation in their true light and watches public opinion as expressed in the press, radio and other mediums, to correct misinformation which reflects unfairly on the Motor Transportation Industry.

### COUNTERACTIVE PUBLICITY

It conducts a continuous program for promoting safety on the highways and in operations, cooperating with all branches of State Government charged with decreasing highway accidents, thereby building good will for the industry, reducing losses and insurance costs, conserving equipment, time and manpower.

### NATIONAL RECOGNITION

It is the only nationally recognized, official organization representing the Motor Vehicle Transportation Industry in Florida.

### ADVISORY SERVICE

It maintains a regular bulletin advisory service, which advises members of and interprets for them laws, rules, regulations, requirements and information vitally necessary to the successful business operation.

### PUBLIC RELATIONS

It collects and disseminates valuable, authentic information concerning the Industry to legislators, through direct mail contact, and to the general public through the press and radio, in a continuous program of public relations.

### NATIONAL AFFILIATION

It represents the American Trucking Associations, Inc., in Florida, and maintains close personal contact with the National Highway Users' Conference, and other national groups devoted to the betterment of motor vehicle transportation and the improvement of highway transportation facilities.

### CIVIC AFFILIATION

It represents the industry through membership in various trade, civic and service organizations, for the improvement and advancement of the Industry and its members.

### TRADE BARRIER ACTIVITY

It continually conducts campaigns to discourage the erection of Trade Barriers, and continuously campaigns to secure additional Reciprocity Agreements between Florida and other States; to secure freedom for Florida Truckmen on the highways of all states.

### OUR STRENGTH IS WHAT YOU MAKE IT

All Officers serve without pay, so all money collected goes to the up-building of the organization and to finance its activities.

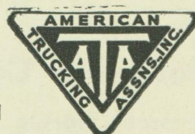
### YOU GET WHAT YOU PAY FOR

Your membership will help determine the strength of this organization. If you are not a member, send now for information about rates. We need your membership—you need our help.

## FLORIDA TRUCKING

STATE DIVISION OF AMERICAN

218 WEST CHURCH ST.



## ASSOCIATION, INC.

TRUCKING ASSOCIATIONS, INC.

JACKSONVILLE, FLORIDA



# FLORIDA HIGHWAYS

Official Publication of

State Road Department of Florida—Florida Highway Patrol  
Association of County Commissioners—Florida Trucking Association, Inc.  
Authorized medium of Motor Vehicle Division and other State departments.

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JOHN KILGORE, Tallahassee ..... Editor  
J. E. ROBINSON, Winter Garden ..... Publisher

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A magazine of general circulation and general public interest dedicated to construction and improvement of Florida highways, to traffic safety, public education and all that these imply in the future development of Florida resources and possibilities. Not published at State expense. Manuscripts and pictures intended for publication should be addressed to the editor. Contributions of pictures and reading material are welcomed, but publisher accepts no responsibility for their loss. Permission is hereby given to newspapers and other publications to reprint material contained herein (unless specifically restricted in the title of the material) provided proper credit is given Florida Highways, Reg. U. S. Pat. Off. Subscription price, \$2.00 per year; single copies 25 cents. Published monthly and entered as second class matter July 11, 1941, at the postoffice at Winter Garden, Fla., under the Act of March 3, 1879. Additional Second Class Permit applied for Tallahassee, Florida.

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Address all correspondence to Florida Highways—not to individuals.

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MONROEVILLE, ALABAMA

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PENSACOLA, FLORIDA

Dial 2107

Rand's Bus Terminal—Pensacola's most modern terminal, serving Eglin Field and all Pensacola Naval Air Fields. Lines to Mobile, Troy, Andalusia, Columbus, Ga., with connections to all points.

Comfortable lounging rooms, designed particularly for comfort of Army and Navy personnel, open 24 hours a day.

Excellent restaurant serving good food at reasonable prices, operated in connection with the terminal.

HERTZ DRIVURSELF  
DIAL 6262

STORAGE  
DIAL 6262

RAND'S TAXI  
DIAL 5121

SERVICE STATION  
DIAL 6262

## FLORIDA-ALABAMA MOTOR LINES

GENERAL OFFICES

Columbus, Ga.

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Pensacola, Florida

J. R. Crow, Prop.

## BUS, TRUCK & TRAILER EQUIPMENT

SUPERIOR BUSES - NABORS TRAILERS - HERCULES DUMP BODIES

School Buses  
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Vans—Flats  
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Tandem Axles for all  
Trailers

Thornton Tandem Conversions for all Trucks • Eaton 2-Speed Axles  
Watson Transmissions • Truck Rims • 5th Wheels • Booster  
Brakes • Safety Gas Tanks.

♦ ♦ ♦

## B & C EQUIPMENT COMPANY

1839 MAIN STREET

PHONE 5-5501

JACKSONVILLE 6, FLA.



# EDITORIALS

## This is Florida

**THIS IS FLORIDA**—and So Is This' is the excellent slogan used by the State Advertising Commission in its newspaper and magazine advertising. The slogan calls attention to the fact, known to all Floridians but overlooked by many of our visitors—that Florida is more than meets the eye of the casual tourist and more than is guessed by the potential tourist or new resident.

In the advertisements two typical Florida aspects are usually combined. An illustration and a section of text call attention to some recreational feature or point of interest and another illustration and section of text direct attention to some quite different aspect of Florida life or opportunity. Thus a beach scene may be paired with an industry to show that Florida is not all gold coast—bathing, sports, night clubbing and racing.

For many years certain areas in Florida have received a concentration of visitors. There is nothing in this to the discredit of those areas and it would not be reasonable for any other area to enter an objection. It is fair enough and reasonable enough. At the same time, it is not to the advantage of any area when facilities are overwhelmed in some places although there is room to accommodate more visitors elsewhere. There is also good reason to prolong the time spent by our visitors in Florida. The total objective, therefore, is to take care of our visitors by providing for their comfort, making their stay pleasant and encouraging them to take a little more time away from home to visit places other than the spot chosen for their vacations.

The cities with the most hotels, the largest number of night clubs, the biggest race tracks and the most available beaches and other attractions will always attract the largest number of visitors. When the number exceeds by far the available accommodations there is dissatisfaction and complaint. Customers turned away are spreaders of ill-will. Customers forced to sleep in their cars because they can find no rooms go home complaining and criticizing Florida. Such customers do the resort cities no good and they do the entire state harm.

It is of great value, therefore, to spread knowledge of all of Florida. This state is sprinkled liberally from one end to the other with fine, clean cities equipped with comfortable hotels, and with places of interest to visit and facilities for bathing, hunting, fishing, boating and organized games.

An article in this month's issue of *Florida Highways* points out some of the out-of-way places of interest in Florida. Space did not permit anywhere near complete coverage. The article merely scratches the surface of what could be written about Florida's little-known attractions and spots of historical interest. It serves to illustrate the point that we have great assets that are not being exploited. Citizens of every community know of attractions and interests in that neighborhood but sometimes even long-time residents of Florida are unaware of the existence of nearby attractions.

Florida's system of State parks is a great potential drawing card. It is doubtful that the average resident of St. Petersburg ever heard of the interesting caverns at the State Park near Marianna or of the rare flora and deep rocky bluffs at Torreya State Park or of the interesting old ruins at Fort Clinch State Park at Fernandina. Many residents of Fort Myers may be unaware of the unique features and absorbing history of Key West. Can we expect residents of northern States to know of these things?

It is not enough that the Advertising Commission tell the people of the northern states about Florida in advertisements and feature articles. Floridians should know more about their own State. Every citizen of Florida should be able to explain to a visitor the interesting characteristics of his own neighborhood and to tell him about what is to be found in nearby places.

If Floridians were informed about their own communities and about neighboring communities and points of interest, each Floridian would be a salesman of Florida, contributing importantly to the general prosperity by encouraging travel and longer vacations in a state which can provide everything that a visitor could wish for at all seasons of the year.

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## Overcrowding

In a previous issue *Florida Highways* presented pictures and descriptions of overcrowded conditions at the State Institutions. These conditions are rapidly being remedied and we expect in a future issue to show the "after" part of a "before and after" presentation of the subject.

In this issue we present some pictures of overcrowding in the Motor Vehicle Department. This, we confess, is not typical in that the Motor Vehicle Department is probably suffering more than most from lack of space. It is true that most if not all of the State offices have too little room to permit workers to operate at full efficiency.

This is important because the people expect service and they cannot get adequate service from overcrowded offices. Capable workers cannot do their best unless they have elbow room.

There has been a little misunderstanding about the state building program. Because the new South wing of the Capitol is the most conspicuous of the new structures some have erroneously concluded that institutional building is secondary to construction of new office space at the State Capitol. The fact is, all this construction is going ahead at the same time. Construction of the new Capitol wing is not delaying construction at the institutions. The program at the institutions began ahead of the capitol wing and it has not been interrupted. The work is let on contract and the contractors are going ahead independently putting up buildings as rapidly as they can.



# FLORIDA BYWAYS....

By Neal Chapline

Sun-kissed days and moon-wrapped nights . . . Florida is a land of buried treasure, mystery and allure, quaint spots and interesting people. It's a wealth of out-of-the-way place frequently missed by the average winter visitors to such well-known spots as Miami, Palm Beach, Daytona Beach and St. Petersburg.

Florida is the picturesque little village of Mandarin, where "Uncle Tom's Cabin" was completed; it's Fernandina, on Amelia Island, rich in pirate legend and present day shrimp fishing; it's deep sea fishing at Cedar Keys; it's Clewiston, where sugar cane is king; it's Everglades, where missionaries still work among the Seminole Indians as they did in the 1500's, and it's Apalachicola, on the Gulf of Mexico, where oysters "R" never out of season.

From pan-handle to keys, Florida is dotted with hundreds of such pleasant and picturesque towns, well worth the time and effort of the summer or winter visitor who takes pleasure in "discovering" new places and scenes. These are just a few; there are many more like them, each with

its own individual charm and atmosphere growing out of Florida's rich four-century history under five flags.

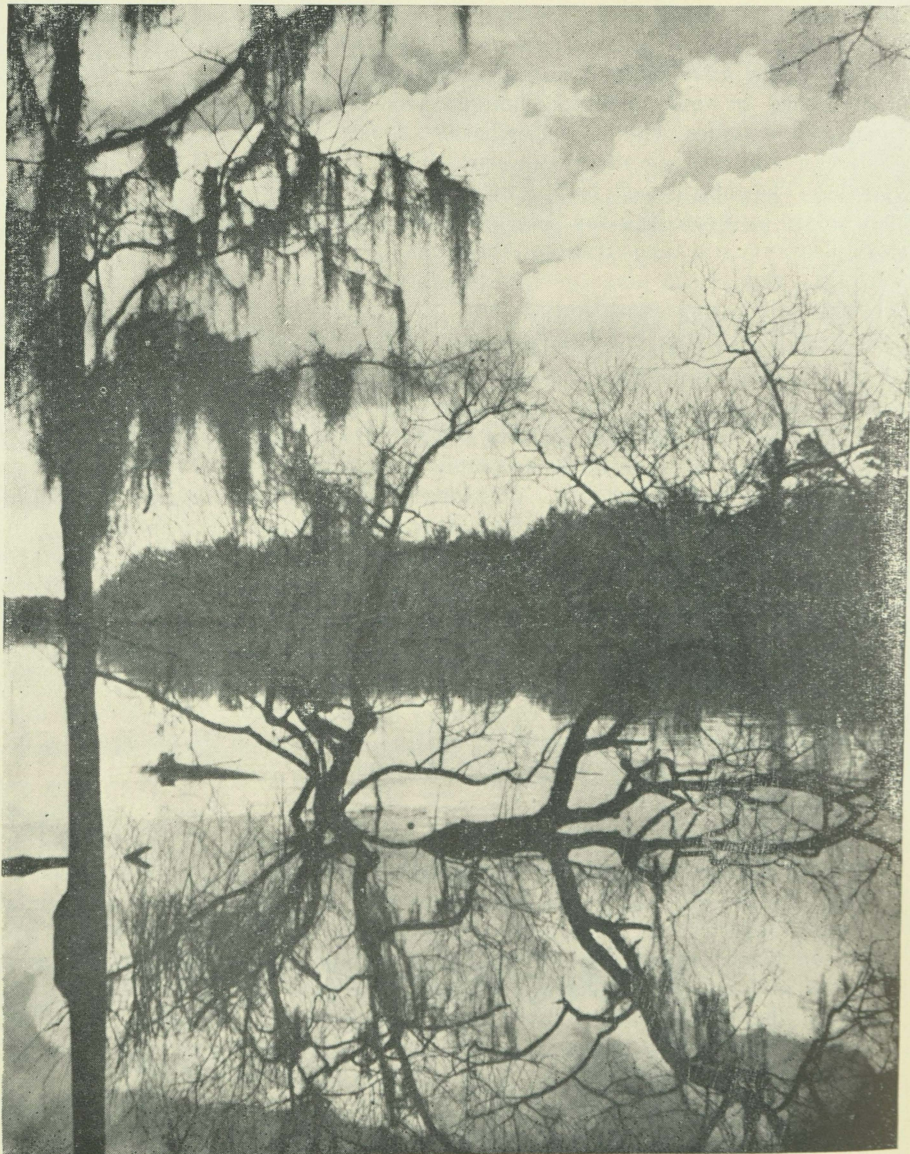
Jacksonville's beaches are famous, but just 18 miles from the bustling southern metropolis is little-known Mandarin, where Harriet Beecher Stowe completed "Uncle Tom's Cabin," the book historians say did more to influence the War Between the States than any other single act or piece of writing.

Shaded by age-old oaks, whose gnarled and grotesque limbs form a cooling canopy over the main street,

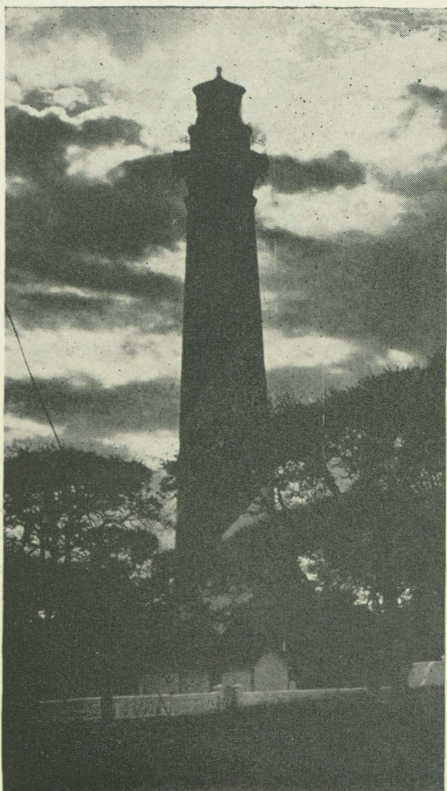
Mandarin presents a pleasing blending of the old and new. Modern homes harmonize with ante-bellum, twentieth-century conveniences walk hand in hand with Colonial traditions.

Stowe Lodge, former home of the creator of Topsy and Little Eva, is open to the public and still contains many of her personal belongings. There's mail delivery now; but most inhabitants like to call for theirs at the postoffice, which is the other half of Mandarin's general store, and if you like people you'll find many there who will take pleasure in telling of the area's rich and colorful history.

*Florida's beautiful Suwannee River, immortalized by Stephen Foster, was pirate headquarters in the colorful days when buccaneers roamed the seas in search of Spanish gold.*



St. Augustine, Florida, lighthouse at dusk.







*Sunset on the Gulf when mullet fishermen work rapidly to remove their catch from the long gill nets before darkness falls.*



*Ring-billed gulls settle down along the shore as the peaceful night slowly covers the Florida beach with darkness.*

#### **Fernandina is Pirate Gold and Shrimp**

Still within hiking distance of Jacksonville is Fernandina, 23 miles up the coast, one of the most notorious pirate's havens of the old South. Shrimp fishing is their business now, but bits of ancient pirate treasure and other buccaneer relics are still occasionally to be found. Local legend has it that in the woods around town are many caches of old silver and other family valuables, buried by the townspeople for safekeeping when the pirates took the village.

But there's modern gold in fishing, even if you have to work a little harder for it, and a glimpse of the gaily painted shrimp fleet sailing up the river at sunset is a never to be forgotten sight.

Like Fernandina, pirate gold and fishing is the key to Cedar Keys, only from this little fishing village on a white sand island in the Gulf of Mexico the little boats put out after the denizens of the deep, instead of fan-tailed shrimp. Situated three miles off-shore in the mid-Florida section, Cedar Keys is a picturesque collection of wharves and fishing houses, nets and sailboats.

Spanish pirates knew this area well. Gasparilla is said to have buried treasure near the mouth of the

Suwannee River, 10 miles up the coast, and islands in the vicinity were inhabited by pre-Columbian Timucuan Indians. Burial mounds revealing well-preserved skeletons and pottery have been found on Way Key and West Key, nearby islands.

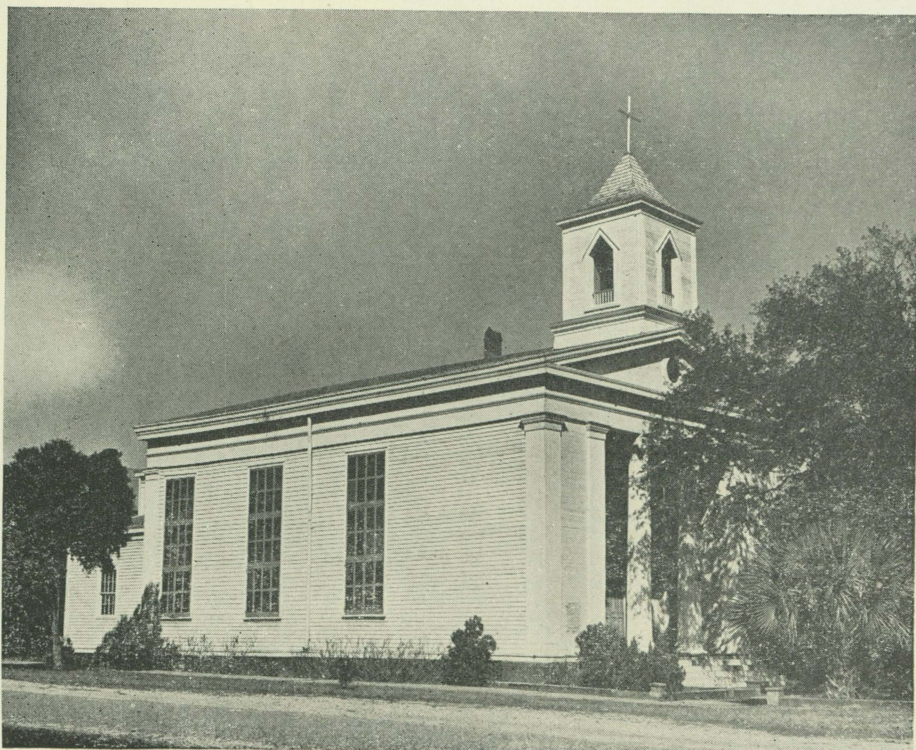
For a change of pace, from pirates

and fishing to sugar cane and molasses, there's Clewiston at the foot of Lake Okeechobee, Florida's largest inland body of water. Here sugar cane fields stretch endlessly and at the peak of the season upwards of 4,000 workers are employed in fields and mills. Tons of sugar and gallons

*Stowe Lodge at Mandarin near Jacksonville, Florida. Stowe Lodge is the former home of Harriet Beecher Stowe, who wrote "Uncle Tom's Cabin."*



*Old Trinity Church in Apalachicola, Florida, dedicated in 1838, was built in New England and shipped to Apalachicola in sections by sailing vessel.*





of syrup and blackstrap molasses come annually from Clewiston mills and a colorful harvest festival is held in April at the close of the season.

#### Missionaries Among the Seminoles

At Everglades, just off the Miami highway near the north Gulf boundary of the proposed Everglades National Park, present day missionaries are carrying on the work of centuries among the Seminole Indians. At Glades Cross Mission, Deaconess Bedell, who spent 30 years as a missionary in Alaska, maintains an Indian school. Her knowledge of the Seminoles, and understanding of their problems, makes her a leading authority on this vanishing race.

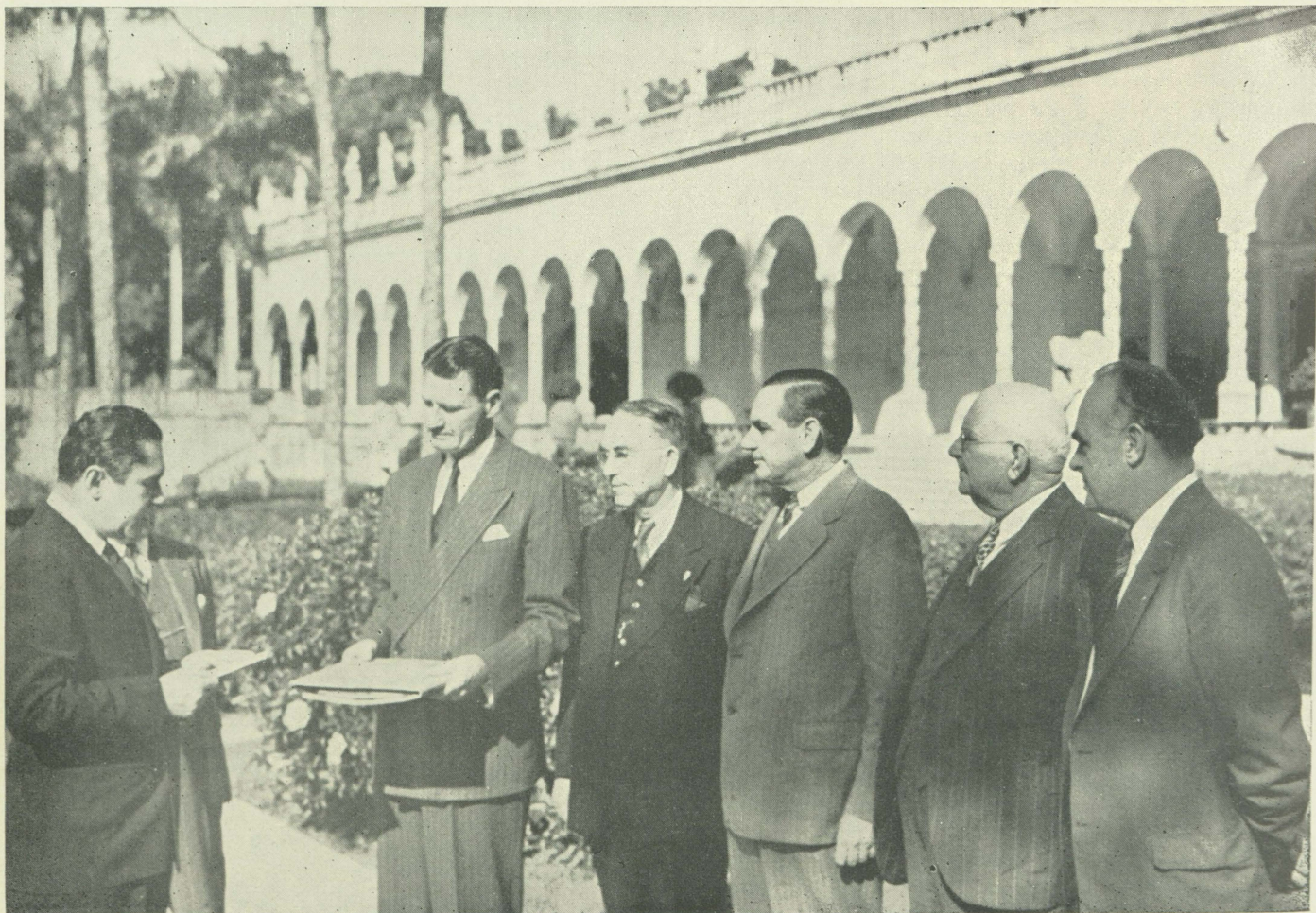
It's fishing again, at Apalachicola, once one of the south's largest cotton shipping ports and the home of Dr. John Gorrie who, in 1850, invented the world's first ice-making machine. Apalachicola, as it's known to the townspeople, is now a quietly prosperous fishing town, with the fleet going into the bay for oysters, shrimp and

(Continued on Page 29)



Money Bayou, Florida where Jean LaFitte, the French buccaneer, is said to have buried his ill-gotten wealth to protect it from the Spanish

State of Florida assumes control of Ringling Museum at Sarasota. John Ringling North presents papers to Governor Millard F. Caldwell as members of the Cabinet watch approvingly; Secretary of State R. A. Gray, Superintendent of Public Instruction Colin English, Comptroller J. M. Lee and Treasurer J. Edwin Larson.





# Internes in Government...

By **NANCY LEE WHEELER**

At Florida State College for Women, in 1940, a plan was inaugurated which provided for "learning through doing" in the field of public administration. This was the first undergraduate internship program in the South, and one of the first made available to women. Dr. Marian D. Irish, Head of the Division of Political Science, and instigator of the program, has been a member of the college faculty since 1933.

An extensive study was made of existing internship programs and a scheme devised which would be adaptable to the needs of the college. One very distinct advantage is the proximity of the state capitol. The expressed interest of many state officials facilitated the plan by which

political science students have received academic credit for practical experience in the offices of the Secretary of State, the Attorney General, the Industrial Commission, the Defense Council, the Planning Board, and the Improvement Commission. In addition to these state offices two students interned in the offices of the City of Tallahassee.

From the advanced classes in political science several seniors are selected each year on the basis of scholastic achievement and interest in public service. The internes work from six to eight hours a week and receive no remuneration. In addition to their office work, collateral reading is assigned by the director on subjects pertinent to the particular phase of government in which the interne is engaged. Internes are graded jointly by the state supervisor and the political science director.

Most of the internes have had no office experience; the variety of tasks assigned is especially valuable to these students in acquainting them with office routine and etiquette. Through the mediums of observation and inquiry the internes learn the functions of their particular office and how it operates in relation to the other state departments.

Many of the former internes are now "executives of the household"; the majority of them, however, have pursued careers in public administration. Their undergraduate courses in American Government, Public Administration, Constitutional Law, International Politics, Current Events, etc. constitute that all-important "core of knowledge"—an understanding of government which goes beyond technical administrative procedures. Many of them have later taken graduate courses in Personnel Administration, Position Classification,

Statistics, Social Work, Psychology, etc.

Elizabeth Webb Crichton, who graduated in 1940, was the first interne. Her work was under Mr. George White, City Auditor and Clerk of Tallahassee, under whose direction she helped to prepare the annual city report. Her career in public administration began with an appointment to a position with the U. S. Civil Service Commission with the rating of Junior Professional Assistant. She has since served in progressively responsible positions including Classification Analyst and Regional Classification Officer in Atlanta. Since her marriage she has been in Washington, D. C. where she is now a Position Classifier, CAF 11. Recently she has prepared a general training course in the basic principles and techniques of position classification. Prior to that assignment, she made a study of pay adjustments and as a result certain recommendations were made to Congress in connection with legislation proposing amendments to the Classification Act of 1923, as amended.

Also interning with the City of Tallahassee was Carolyn Packard, who received her B.S. degree in 1943. Her professional experience has been with the War Department and the



*Miss Nancy Lee Wheeler interne in the office of John Kilgore, editor of Florida Highways Magazine; Miss Dora Golden and Miss Peggy Kay, internes in the office of I. W. Snyder, secretary of the Citizens Tax Committee; Miss Carol Bradford Stevens, interne in the office of Robert B. Jenkins, Personnel Director of the Florida Industrial Commission.*

*Miss Virginia Collins, interne in the office of Secretary of State Robert A. Gray.*





Army Finance Division in the Panama Canal Zone.

To date there have been six internes in the office of the Secretary of State. Patricia Brandt Hamilton had as her special assignment "A Structural and Functional Study of the Department of State". She worked with Pan-American Airways in Miami after her graduation and is now married.

Jane Maguire Abram has as her interne's project "Florida Election Practices". She departed from her previous training by becoming Society Editor of the *Miami Daily News*. Her husband is a Rhodes Scholar so she and her small son are now living in Oxford, England.

Barbara Morrison Resneck, who wrote on "Southern Freight Rate Problems", also began her career as a Junior Professional Assistant. Her work was at first stenographic and later that of a Personnel Counselor. During the war, in addition to counseling in cases of personnel maladjustments, she was instrumental in organizing Red Cross and Bond Drives. At present she is in Cambridge, Massachusetts, where her husband is attending Harvard Graduate School and she is taking some courses at Simmons.

Peggy Lee Walker took advantage of her internship in the office of Secretary of State to do a special report on "The Soldier Ballot". Since graduation she has worked in secretarial positions and with the Girl Scouts. Jane Sims, who also interned under Mr. Gray, graduated in 1945. Her present position is in the legal department of an insurance company in Atlanta.

Some students have interned in the personnel division of the Florida Industrial Commission. The first of these was Mary Catherine Bellas who served under the direction of Mr. A. C. Stubbs, then personnel officer of the Industrial Commission. She was graduated with distinction in Political Science for her work on "The Florida Merit System". Before joining the WAVES she was in the personnel section of the Farm Credit Administration. At present she is an Officer Qualifications Analyst in the Bureau of Navy Personnel, which is charged with the utilization of the special skills and abilities of its officers. Donna Will Brown Shaefer was another student in the Personnel Division of the Industrial Commission. Her Honors Paper was entitled "Recent Labor Legislation in Florida". Before her marriage she worked for OPA. Juanita Gibson also gained practical experience through her internship in the Personnel Division of the Industrial Commission; She is now doing personnel work in the office of the Station Superintendent of the Pan American Field in Miami.

Also in the Industrial Commission, the Divisions of Research and Statis-

tics, Reports and Analysis and Unemployment Compensation have cooperated with the college in the training program. Margaret Booth interned in the Department of Research and Statistics of the Industrial Commission. Her Honors Paper was on "Studies in Administration in the Florida Industrial Commission". She is now a Classification Analyst at Army Headquarters in the Panama Canal Zone. Evelyn Butts served her internship under Mr. H. E. Spaulding of the Reports and Analysis Division of the Industrial Commission. She was especially interested in "Labor Market Surveys". Her positions have included Junior Budget Analyst with OWI and Junior Interviewer with the U. S. Employment Service. She is now a staff Assistant with the American Red Cross in Asahigawa, Japan. Margaret Harrison Gustafson, in addition to her internship with the Department of Research and Statistics of the Industrial Commission, did Honors work on "Florida Labor Legislation". Her professional experience includes that of Employee Councilor for the U. S. War Department. Jane Watts Swainson's special topic was "Legislation Affecting the Florida Industrial Commission". Her internship was with the Unemployment Compensation Division of the Industrial Commission. Before her marriage she did social case work.

Celeste Hardee Kavanaugh was the first to interne under Mr. Kenneth MacGowan of the State Defense Council. She made an organizational study of the Office of Emergency Management. She is now married. Rexetta Leonard Haynes also interned with the State Defense Council. She was with Pan American Airways before her marriage. Mary Monahan was with the State Defense Council in the Division of Information, Education, and Morale under John Kilgore. She is now a social case worker with Traveler's Aid in Jacksonville.

Ruth Wisdom Campbell, interning in the office of the Attorney General, wrote her Honors Paper on "Legal Aspects of the 1943 Appropriation Act.". Jean McCullough was under Mr. Manley of the Statutory Revision Division of the Attorney General's office. She is now an Administrative Clerk with The Travel Branch of UNEEA which deals with overseas personnel in various UNRRA missions in foreign countries. She is responsible for interviewing and processing travelers for passports, Allied Control Commission clearance, etc.

Carolyn Mims Keane was the first student to interne in the State Planning Board. After graduation she obtained an internship with the National Institute of Public Affairs in Washington; she was one of ten women stu-

dents selected at large from leading colleges and universities throughout the country for this. Ann Ritter was also with the Planning Board. She is now in her second quarter of graduate work at the School of Social Service Administration, University of Chicago.

Two students interned both with the Committee of Governmental Research under Dr. Marian Irish and with the State Planning Board under Mr. Dewey Hooten. Dorothy Lancaster participated in the "Survey of Personnel Practices in Florida Government". Since her graduation she has been Personnel Assistant in the office of the Secretary of Labor in Washington and is now teaching in Daytona Beach. Janet Pancoast graduated with Distinction in Political Science for her work on "State Advertising". She was selected for the National Institute of Public Affairs Internship program and is now a statistician on the public employment staff of the U. S. Census Bureau.

Anne Gaines served her internship in the office of Mr. John Kilgore, Editor of *Florida Highways*. She has answered a very urgent need this year by becoming a public school teacher and part-time librarian in Frostproof, Florida. Aside from that she has been making a study of the local city government in cooperation with the mayor and city council.

There have been five internes during the school year 1945-'46. Jessie McCalla of Orlando and Carol Bradford Stevens of Tallahassee have been in the Personnel Division of the Industrial Commission under Mr. Robert Jenkins. Peggy Kay of Tampa is working with Mr. I. W. Snyder in the State Improvement Commission assisting the Florida Citizens Tax Committee. Virginia Collins, of Umatilla, in addition to interning in the Secretary of State's office, is doing Honors Work on "Florida Election Laws". Nancy Lee Wheeler of Jacksonville has been in the office of the Editor of *Florida Highways*, Mr. John Kilgore.

In answer to the question, "What did you derive from your internship in skill, knowledge, or in other benefits?", the former internes gave a variety of answers. All said that they gained practical knowledge and an active interest in the functions of state and local governments in Florida, such as cannot be obtained in textbooks. One student said that she saw her courses in political science "jump to life". Many of them emphasized the value of interning in helping them to meet the public in a businesslike manner. One student observed that in interning one is given the first opportunity to know that the solving of routine problems and the performance of routine work is the solution of major problems and the effect-

(Continued on Page 29)



# Office Crowding...

REPORTING to Governor Millard F. Caldwell on overcrowded conditions in his offices, George H. Asbell, State Motor Vehicle Commissioner said:

"We believe we are losing 25 per cent of our efficiency on account of the limited space in which we have to operate and we have reached the conclusion that adding more personnel only tends to cut down the efficiency of the whole department."

In view of the fact that the Motor Vehicle Department is probably more crowded than other state offices, its condition may be regarded as illustrative rather than typical of overcrowded state departments. It is true, however, that few if any of the agencies of the state have enough room for greatest efficiency. Nearly every department and office is jammed to such an extent that there is not the normal working space. There is also a shortage of storage space for records.

The Motor Vehicle Department has now the same floor space it had in 1940 and in 1945 the amount of business done was greater by 54 per cent than was done in the prior year. In 1940 the floor space was barely adequate. Today it is far short.

Housed in the basement of the Martin Building which also contains the quarters of the State Safety Department (Highway Patrol) and the State Road Department, all of which are badly cramped for room, the Motor Vehicle Department has overflowed from the offices provided into the corridors and there is still not enough space to work in. Business machines are actually in use in the halls of the building and the operators are constantly distracted by the traffic that flows by them.

In 1945 the Motor Vehicle Department did its largest annual business in history. Through April 1, 1946, receipts exceed by some three quarters of a million dollars receipts handled through April 1, 1945, indi-

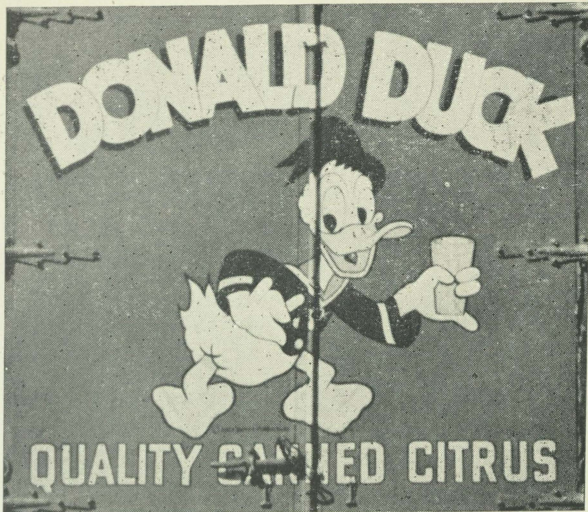
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Overcrowded conditions in the offices of the State Motor Vehicle Commission. Below business machines of the Commission operating in the corridor—outside door in background.



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# Water Conservation In Florida . . .

Part I of this study was concerned with a brief discussion of the geology and hydrology of Florida as they affect her water resources and with the inter-relationships of surface and ground waters. Part II is concerned with the factors affecting the conservation of surface and ground waters, some specific problems involving municipal water supplies, and a discussion of the legislative approach to the problem of water conservation.

## Factors Affecting Surface and Ground Water Conservation in Florida

Since the source of all water supply is rain, the average annual rainfall of a region is perhaps the predominating factor in all of its water problems. Florida is fortunate in having a high annual rainfall, averaging 52.7 inches over the state as a whole. Furthermore, annual variations from this mean value are not great, ranging from a low of about 40 inches to a high of about 65 inches, a variation of less than 15% in either direction. However, since this rainfall is highly seasonal throughout most of Florida, maximum precipitation as a rule beginning in June and ending in September or October, the state is not immune from droughts. Run-off from streams is far lower than might be expected from the high annual rainfall, and results from exceptionally high losses due to evaporation, including transpiration, which annually exceeds average rainfall under optimum conditions. Values for open pan evaporation of as high as 7 inches per day have been recorded in the Everglades. Some idea of the enormous volume of water lost by evaporation may be had when it is noted that evaporation from Lake Okeechobee often reaches a figure of 4,000 cubic feet per second per day, which in terms that may be understood by the layman, amount to 2,400,000,000 gallons per 24 hours, sufficient to supply a city having a population of 24,000,000 or more than sufficient to meet the combined daily demands of America's five largest cities.

Seasonal rainfall means that water levels, if uncontrolled, will be high

In discussing the legal aspects of water conservation the author is indebted to the Report of the Committee appointed by the Hon. Andrew F. Schoepfel, Governor of Kansas, to study and investigate the laws of that state relative to the appropriation of water. The Report of the Committee was submitted on December 28, 1944.

A. P. BLACK

Professor of Chemistry  
College of Arts and Sciences  
University of Florida, Gainesville

## PART II

during part of each year and low during the remainder of the year. High water levels will result and have resulted in drainage of the affected areas. Water discharged during such periods is lost, even though it may be badly needed during the dry period which follows. The solution of the problem obviously lies in controlled drainage—in the construction of retaining works whose purpose would be to hold back as much of the run-off as may be safely impounded within the affected area, both above and below the ground, and which may be later released as needed.

### Some Ground Water Problems

Mention has been made of various areas throughout Florida within which artesian wells may be developed. Many thousands of such wells have been drilled and are the source of very large volumes of water. Jacksonville derives its entire municipal supply from the free flow of some thirty artesian wells and of the 257 public water supply systems in Florida at the present time, approximately 90% of them use wells as the source of water supply. Not all of these wells are artesian, but a great many of them are. The yield of a single artesian well may reach very large figures. A 12-inch well drilled in Duval County in 1942 was found to have a free artesian flow of 6,500 gallons per minute or more than 10 million gallons per day, sufficient for the needs of a city having a population of 100,000.

Artesian wells present at least four important conservation problems. In the first place, many such wells are allowed to flow freely and continuously, even though the water so obtained is put to no useful purpose. It would be difficult to estimate the amount of ground water lost daily in Florida from this cause, but it is very large. In the second place, if such wells are not properly and tightly cased to impervious rock, they will allow very hard and sometimes saline water to force its way upward into the overlying formations and result in pollution of the shallower water

and a lowering in the head of the well itself. In the third place, the withdrawal of large quantities of water from wells in areas adjacent to the coast may and has resulted in either vertical or lateral intrusion of salt water. Cities on both the East and West Coasts have experienced this difficulty and in some cases have been forced to seek other sources of municipal water supply. In the fourth place, there are hundreds, perhaps thousands of old abandoned artesian wells, some adequately plugged, some not, which continue to flow because the casings have been perforated by corrosion below the surface. Numerous examples of the contamination of potable supplies by such old wells have been reported and the quantity of water so wasted is undoubtedly very large.

From the standpoint of health, the most important problem with respect to ground water conservation is met with in the disposal of raw sewage and trade wastes, mainly citrus by-product wastes, into the underground aquifers by means of drainage wells. This practice is no longer permitted under existing statutes but during the years when it was practiced it resulted in incalculable damage to the affected areas. Due to the porous and cavernous nature of many of the underlying limestones, they are able to absorb and hold large volumes of such materials, but the very fact that they are able to absorb them implies a like ability to transport and disseminate them throughout large areas and such has proved to be the case. A probable tendency toward the increasing use of ground water for air conditioning in the post-war period will need consideration, not only from the standpoint of depletion of water available, but also from the standpoint of its possible contamination before being returned to the aquifer, if it is returned.

### Legal Approach to Problems of Water Conservation

The foregoing will indicate at least a few of the technical problems which are involved in an adequate program of water conservation. It will be of interest also to examine the two main methods of approach which have been made toward the regulation of the use of water. The first is usually referred

(Continued on Page 30)



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# IT HAPPENED IN FLORIDA . . .

## Julia Rehwinkel Holland

A lot in Miami was recently sold for 29c in taxes. The former owner, Edmund Pahl, has filed suit in circuit court to recover the property, on which he says he paid taxes for ten years and which was sold for 29c in delinquent drainage taxes because he did not know of this assessment.

A New York couple checked out of a Tampa hotel, leaving behind \$7,-180, tucked beneath a pillow. When finally located, they didn't seem excited in the least and, upon their return for the money, gave the maid who found it a \$100 bill.

Henry Daniels, negro farmer known as "Money Making Henry," has nearly paid for his 150-acre farm near Greenwood with income from turpentine operations since 1943. He expects to finish paying for his place within the next year. His house and barns were built from non-turpentine producing black pines growing in his woodland, and he carried on his gum farming along with his other crops.

Shakespeare called sleep the "balm of hurt minds," but there's a negro minister in Jacksonville who found it directly responsible for his hurt mind. The Rev. W. T. Merritt nodded off to sleep while waiting in his car for his son, woke up with a "burning sensation" in his head and noticed a small hole in the side window—as if a stray bullet had hit the car. Doctors removed a pistol slug, which had flattened itself against the minister's skull.

"The State rests its case," said Attorney A. A. Fernandez of Tampa in Criminal Court, which would have been all right until recently. He was an assistant County Solicitor, but now is on the defense side of the table.

A Jacksonville bus driver, trying to keep his customers behind the line, became a trifle irate at one of his riders the other day. As the driver would shout: "Let's move back folks. Can't you move back a little?" a reply in song would be heard: "Cuddle up a little closer, honey mine."

The St. Augustine Record has been printed on varied color paper for the past few months. They say they are

not trying to be funny nor do they think the color combination pretty, but an acute paper shortage caused their predicament.

The man who put the lights on the famed Statue of Liberty—Capt. John Flood—has been visiting in Tallahassee. He is a 70-year-old retired army officer and was serving as an officer in the quartermaster corps in Atlanta in 1916 when ordered to Staten Island, New York, to take charge of installation of lights on the symbol of liberty.

A Tampa couple, Mr. and Mrs. J. T. Stepp, are living even though their car was dragged a block and demolished between the ACL passenger train Southland and a sidetracked freight car. Both passengers were in the autotmobile as it was flattened between the freight car and train, a space of less than 5 feet, and remained there while their twisted car was straightened enough to get them out, but suffered only severe shock and bruises.

A story, begun in Russia 37 years ago when a showman gathered together a midget troupe of five and called them the Royal Russians, ended in Miami recently when their 3-foot, 4-inch master of ceremonies was buried. The troupe had hung together across the seven seas, through vicissitudes and triumphs, but time took its toll and they retired from show business in 1942 and came to Miami to live together in a little white house with green shutters. Now the troupe is broken—Michel Sokolsky is dead.

Admiral Dewey was recently discharged from the Naval Air Station Separation Center at Jacksonville, but the defeat of the Spanish fleet at Manila took place some time before he arrived there. This Admiral Dewey was Admiral Dewey Baylor, 22, and his home is at Holly Hills.

A letter received by Mrs. Mack Humphrey of Tallahassee from her son, Capt. Robert L. Eaton, tells of the unusual experience of seeing a picture of himself in a home in Germany. He visited the home of the parents of Johanna Kocielny, former director of the Leon High School band and, to his surprise, they had

a picture of the band when he was a member.

Leo P. Brunett of Boston, honeymooning in Miami Beach, told an unusual story of the mix-ups war can cause in human lives. His bride is the widow of his buddy, killed in Germany.

Believe it or not (with apologies to Robert Ripley): John B. Blumer, Jr. of Tampa was inducted into the Army April 26, came home on delay en route Nov. 26, was shipped overseas Dec. 26, arrived back in the States July 26, got his first furlough September 26, was assigned to the Fourth Army Oct. 26, served with 15th, 7th, 3rd and 1st Armies, which figures total 26, and was in the Army 18 months and 8 days, another total of 26.

The masterpiece of understatement to end all masterpieces of understatement was uttered in Jacksonville by Rear Admiral Ralph E. Davison, chief of Naval Air Advance Training at NAS, who was aboard the Carrier Franklin when she was turned into a blazing pyre for 700 men by a Jap suicide plane one year ago. A friend called the admiral on the anniversary and asked if he had any comment. He replied: "Things aren't as bad today as they were a year ago."

Whether the war is over or not is one of the principal issues in a case taken under advisement by Circuit Judge Ross Williams of Miami. One party contends the war was over with the signing of the Japanese surrender and the other party contends the war will not be over until the President officially proclaims an end to the war emergency.

An 8-foot cannon, weighing about two tons, believed to be of English manufacture and dating back to about 1740, is a recent addition to the display of 18th Century armament at the Castillo de San Marco National monument, in St. Augustine. This cannon was donated by Charles D. Higgs, who discovered it at Vero Beach after a recent storm had uncovered it.

St. Petersburg police headquarters staff had a nasty few minutes on a recent morning when a citizen walked up to the sergeant's desk with an army fragmentation grenade dangling from his finger by the firing pin and asked: "Can you fellows do something with this thing?" Officer Jack Healy, a World War II veteran,

(Continued on Page 36)



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# County Activities and Personalities . . .

The County Commissioners of Brevard County have signed a contract for the spraying of 20,000 acres with DDT for mosquito control. Samuel Harper will have charge of the spraying.

Legal counsel of the Sarasota County Commission have advised that official population figures according to the last census should be available before re-districting of the County Commission districts is attempted.

A building for the headquarters of a National Guard Unit proposed for Broward County has been planned. A large part of the \$75,000 appropriation for the unit will be used for the construction of a building which will have a drill hall, officers quarters, supply room, arms vault, locker rooms and enlisted men's quarters.

Orange County Commissioners are planning to name the hyacinth boat recently built for them "Little Harry," in honor of Commander Harry Witherington who has been one of the main figures in the Hyacinth control program.

Pinellas County Airport has been opened for civilian use. It is rated as one of the "less than 100" master airports in the nation, according to Dr. James E. Mooney, Pinellas County Director of Aviation.

Palm Beach County Commission is directing close attention to two of its building projects. One is a county jail and the other is a tuberculosis hospital. Construction of both is to start soon on the county home grounds in the northwestern part of West Palm Beach.

Dade County has taken initial steps to convert the courthouse basement into office space. This was done to provide more room urgently needed by county officials. Architect Howard Steward has been instructed to submit complete plans and estimates of cost as soon as possible.

The late Charles R. Carter, of St. Petersburg, for ten years a member of the County Commission, left an estate appraised at \$91,000. He was a pioneer developer in Pinellas County.

Frank P. Bedenbaugh has been named Service Officer for Columbia County. He was appointed at a meeting in Lake City March 27 and is to be sent to a special school of instruction at St.

Petersburg as soon as there is a vacancy.

Dade County Attorney Fred Carson has been instructed by the County Commission to appeal the order recently issued by Circuit Judge Stanley Milledge enjoining Dade County from withholding building permits from property owners in Brownville section because they are negroes.

The Florida Supreme Court has ruled that a special 1945 Act validating all prior proceedings of Volusia County Commissioners did not permit the county to sell a large tract of public property to the Del-Air Corporation.

Manatee County Commission by unanimous act has recommended to the State Conservation Department that the dividing line between salt and fresh water in the Manatee River be placed at the west side of the mouth of Gamble Creek, running from that point due south to the south shore of the river, east of Bradenton. R. N. Cook, of the Bradenton County Conservation Board, directed the board to take action in order to establish a definite boundary line.

Duval County Home Demonstration Council planned a luncheon early in April for the members of the Board of County Commissioners. At that time, home products were to be the feature of the luncheon—the first of its kind since 1941.

Orange County Commissioners have employed James A. Riviere, of Lake City, as county engineer. He commenced his tour of duty April 1.

Hillsborough County Commissioners have agreed to seek State Railroad Commission permission to change through truck and bus routes which now run from Hillsborough Avenue to the Apex through the Sulphur Springs business district. The action was taken by County Traffic Chief Cooper, who said dangerous traffic conditions existed on Nebraska Avenue.

Highlands County Commissioner District No. 3 has been given \$9,000 of the \$25,000 in race track funds distributed to the Commission. The money is to be used on road work.

Fred W. Ball, veteran commissioner, has again offered as a candidate for his office in Hillsborough County. He

is at present chairman of the Hillsborough County Commission.

W. A. Berlin, former Tampa manager of the Eastern Air Lines, has been employed as County Aviation Director in Hillsborough County. He succeeds D. G. Van de Water, who was dismissed by the County Aviation Authority.

Highlands County Commissioners have been asked by the County Fish and Game Club to hire a caretaker for the fish-raising pools built by the club. Fred Peden informed the Board that the club has raised and spent \$6000 on the pools which takes care of rearing 90,000 bass each year. The Commissioners agreed to pay \$125 month for a caretaker for the balance of the fiscal year, and to budget \$1500 for that purpose next year.

Property owners in the St. Johns Bluff and Fulton areas have signed a petition to the Duval County Commission asking for repairs to the Fort Caroline Road which has been described as impassable and is an obstacle to development of that part of the county.

Lee County Commission, the City Council and Chamber of Commerce at Fort Myers recently scheduled a joint meeting to discuss possible return of Buckingham field to that city so that a portion of the field property may be leased for use as a manufacturing plant for aircraft and other instruments.

Orange County is commencing its warfare on water hyacinths. The demonstration of the effectiveness of a specially designed boat was scheduled late in March on Lake Apopka. A committee of the Orange County Commission worked out the plans.

Duval County Commissioners have been advised of the approval by the Federal Housing Administration of the Woodstock Park tract of county-owned property as sites for veterans' homes. The agency will endorse loans of between \$4600 and \$6000 on houses built there.

St. Lucie County Commissioners are appealing to Congressman Dwight L. Rogers to take the necessary action to have the north fork of the St. Lucie River cleared of water hyacinths again.

Dade County Commissioners are pre-  
(Continued on Page 37)



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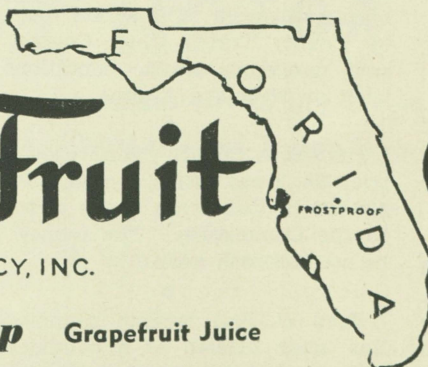
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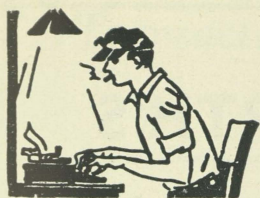
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# FLORIDA FOURTH ESTATE

## Tax Views Invited

FLORIDA residents who desire to air their views on taxation where it will do the most good will soon be given that opportunity by the Florida Citizens Taxation Committee.

Frank criticisms and recommendations as to Florida taxes are invited by the committee. It wants to know of any inequalities in existing taxes and any injurious effects of State taxes on industry and commerce.

Suggestions for revisions in tax rates, coverage and administration also will be welcomed. Although primarily concerned with taxes levied by the State, the committee has indicated that it regards the proper relation and allocation of tax fields between the State and local governments as highly important. Suggestions on this score are especially invited.

Commercial organizations, industry groups, taxpayers associations, businessmen, city and county governments and individual citizens will all have a chance to be heard, it is announced.

For the job of conducting the tax survey Governor Caldwell has appointed a group of outstanding citizens, representing every section of Florida.

That Florida's tax system is far from perfect everybody knows. But whether it is as bad as sometimes charged, is far from certain.

What the governor's committee wants to find out is what the public thinks about it and whether there is general agreement on improvements that might be made. Such information ought to be of immense value to the governor and the 1947 Legislature—Palm Beach Post.

## Good Advertising

NONE OF the state's million-dollar advertising fund is being spent on it, but Florida will get good notice from a meeting held in Tallahassee March 18.

That was the Conference on Delinquent Youth called by Governor Millard Caldwell as an outgrowth of the study being conducted at his request of the state's correctional system.

The meeting had definite value in letting the world know that Florida is intelligently concerned, and is moving to do something constructive for its youth.

Such undertakings will help Florida to become known not only as a state which has girls who look pretty in bathing suits, but also as a state which is progressive in developing its greatest resource—the character of the boys and girls who will be Florida's citizens of tomorrow.—Miami Herald

## Delinquency: Our Job

IN TALLAHASSEE, on March 18, Florida's leaders in the fields of education, social work and juvenile correction gathered for a state-wide conference on delinquent youth. Called by Governor Caldwell, the meeting took up one most important phase of the general self-examination which Florida has been undergoing in respect to its schools, prisons and hospitals.

The strains of war brought juvenile delinquency into prominence, but it would be dangerous to regard it as a wartime problem that can be forgotten in peace. Governor Caldwell, in his call to the conference, said: "It is my belief that the child, good or bad, is the product and responsibility of the community. I am hopeful that this Conference will concern itself not only with the immediate problem of the delinquent child who has been sent to a training school, and his eventual return to the community, but also with a long-range program which will mobilize all resources in behalf of one of Florida's most valuable assets—its boys and girls."—Jacksonville Journal

## The Governor's Advice

GOVERNOR CALDWELL is giving some sound advice to the county boards which will have the spending of something close to \$100,000 which each county is getting from the racetrack betting tax this season. Most county commissions budgeted only \$33,000 as their expectation, for that is the amount they are guaranteed by the state from this tax return.

Said the Governor: "I hope, inasmuch as the counties will receive between two and three times as much from racing as they budgeted for expenditure from that source, that the excess will be used wherever needed for improvement of county jails, court houses and other permanent public facilities."

A few days before that Comptroller Lee, commenting on the unexpectedly high return to the counties ventured the hope that the money either be spent wisely or held for future pressing needs.

Some of the counties are expending this unexpectedly large windfall on paving needed roads in the county districts. In Manatee County the racetrack money always has gone largely into road maintenance.—Bradenton Herald

## Punctual Governor

EVERY person who makes it a point to report on time for a meeting and then has to wait half an hour for stragglers to arrive will applaud Governor Caldwell for calling off a cabinet meeting when it appeared that most of the members would be late.

Secretary of State Gray was the only cabinet member present when the governor (Continued on page 29)



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# Transactions of Meeting of Florida State Road Department

HELD AT TALLAHASSEE MARCH 25, 1946

The State Road Department held its first Quarterly meeting for the year 1946, at Tallahassee on the 25th day of March, with the entire Board and the Secretary in attendance, as follows:

F. ELGIN BAYLESS, Chairman  
COURTNEY W. CAMPBELL, Member  
S. KENDRICK GUERNSEY, Member  
HERMAN B. FULTZ, Member  
ROBERT T. CARLETON, Member  
J. ROBERT MCCLURE, Secretary

## APPROVAL OF MINUTES OF FEBRUARY 18

On motion of Mr. Campbell, seconded by Mr. Guernsey, the minutes of the meeting held on February 18 at Tampa were approved and ordered recorded.

## APPROVAL OF CONTRACTS AWARD

On motion of Mr. Guernsey, seconded by Mr. Fultz, the following resolution was adopted:

WHEREAS, pursuant to due advertisement, the Department did on certain dates, as hereinafter indicated, receive bids for the construction of certain projects and for the furnishing of certain pieces of equipment, as hereinafter listed; and

WHEREAS, the firms hereinafter named were and are hereby declared to be the lowest responsible bidders therefor.

NOW, THEREFORE, BE IT RESOLVED, that the action of the Chairman in awarding the contracts hereinafter listed be and the same is hereby approved, which said contracts are as follows, to wit:

## CONSTRUCTION

### Bids received Jan. 19

2618-103, Alachua, Jas. H. Graggs Construction Co., \$24,495.50.

### Bids received Jan. 31

7016-107, 119, Brevard, Langston-Hubbard Construction Co., \$46,519.50.

3305-102, 106 Lafayette, L. L. Hall Construction Co., \$134,243.55.

5006-104, 12, Gadsden, Norman P. Ives, Construction Co., \$21,249.50.

### Bids received Feb. 21

0906-109, 8, Highlands, C. E. Construction Co., \$51,326.10.

0621-104, 34 Polk, J. D. Manly Construction Co., \$132,113.11.

### Bids received March 7

9324-902 & 9323-103, 198-496, Palm Beach, R. B. Tyler Co., \$23,442.72.

0304-107, 27, Collier, R. B. Tyler Company, \$136,907.82.

9302-106 & 9309-903, 4-176, Palm Beach, R. B. Tyler Co., \$27,621.54.

5203-901 etc., 39 etc., Holmes, Wash. & Jackson, Coggin & Deermont, \$73,087.42.

5704-903 etc., 10 etc., Okaloosa-Santa Rosa, Smith Engr. & Const. Co., \$36,109.13.

3401-107, 500, Levy, L. J. & W. L. Cobb, Inc., \$86,851.66.

1801-109 & 1804-901, 2, Sumter, L. J. & W. L. Cobb, Inc., \$23,775.03.

1107-902 etc., 51 etc., Lake, L. J. & W. L. Cobb, Inc., \$56,718.53.

2601-105 etc., 2 etc., Alachua, L. J. & W. L. Cobb, Inc., \$87,755.97.

1502-110 etc., 15 etc., Pinellas, L. J. & W. L. Cobb, Inc., \$84,155.92.

### Bids received Mar. 14

8720-901 etc., 4, 4-A, Dade, Gulf Coast Construction Co., \$37,663.43.

8901-107, 4, Martin, Langston-Hubbard Construction Co., \$118,872.10.

7703-901 & 7712-901, 44-398, Seminole, Langston-Hubbard Construction Co., \$5,079.49.

3405-901, 15, Levy, Duval Eng. & Contr. Co., \$16,733.63.

7218-901, 348, Duval, Duval Eng. & Contr. Co., \$7,916.17.

7607-901 etc., 80 etc., Putnam, Duval Eng. & Contr. Co., \$28,135.56.

1602-108 etc., 17 etc., Polk-Hardee, J. D. Manly Const. Co., \$23,519.10.

8801-105 & 8803-103, 4-140, Indian River, J. D. Manly Const. Co., \$188,249.53.

1021-105 & 1405-109, 156, Pasco-Hillsborough, Cone Bros. Construction Co., \$44,638.80.

7905-901 & 7905-111, 3, Volusia, John C. Dickenson Construction Co., \$90,888.85.

1008-106 & 1014-102, 23-595, Hillsborough, Cone Bros. Construction Co., \$26,026.40.

4604-901 etc., 20-10, Bay, Jackson & Franklin, Couch Construction Co., \$32,671.56.

## EQUIPMENT

### Bids received Mar. 12

1 7-ton 3-Wheel Gas Roller, Defuniak Springs, Seabrook Hdw. Co., \$4,493.00.

### Bids received Mar. 12

4 15-HP Tractor Mowers, 2 Ft. Pierce, 2 Ft. Lauderdale, Llewellyn Machinery Corp., \$3,965.47.

4 25-HP Tractor Mowers, 2 Ft. Pierce, 2 Ft. Lauderdale, Llewellyn Machinery Corp., \$3,965.47.

2 Portable Tandem Rollers, Ft. Pierce, M. D. Moody, \$2,930.00.

2 Bit. Cold Patch Power Mixers, 1 DeFuniak Springs, Florida Equipment Co., \$2,480.00; 1 Panama City, Florida Equipment Co., \$2,270.00

## APPROVAL OF SUPPLEMENTAL AGREEMENTS

On motion of Mr. Carleton, seconded by Mr. Fultz, the following supplemental agreements were approved:

3205-102 State 116, Hamilton, Faulk & Coleman, \$2,286.40 Increase.

5313-105 State 159, Jackson, A. B. Covell, \$16,803.16 Increase.

7219-103 State 376, Duval, Duval Eng. & Contr. Co., \$100.10 Decrease.

7219-103 State 376, Duval, Duval Eng. & Contr. Co., \$675.00 Increase.

3304-107 & 3706-105 State 69, Suwannee & Lafayette, L. J. & W. L. Cobb, Inc., \$34,037.75 Increase.

## COUNTIES REQUEST TO ACQUIRE RIGHT OF WAY

Routine resolutions were adopted requesting the counties to acquire the right of way for the following projects:

Manatee, Road 5, Section 1301, Mr. Campbell and Mr. Guernsey.

Orange Co., Road 203, Section 7510, Mr. Carleton and Mr. Fultz.

Sumter, Road 23, Section 1801, Mr. Carleton and Mr. Campbell.

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Dade, Road 140, Section 8706, Mr. Fultz and  
Mr. Guernsey.

Dade, Road 140-A, Section 8708, Mr. Fultz and  
Mr. Carleton.

### PASCO COUNTY—ROAD 5—PROJECTS 194, 544-A and 544-B CANCELLATION RIGHT OF WAY CONTRACT BOND

On motion of Mr. Campbell, seconded by Mr.  
Carleton, the following resolution was adopted:

BE IT RESOLVED that American Surety Com-  
pany of New York be and it is hereby released  
and discharged of and from each and every  
of its obligations to the State Road Department  
of Florida, under and by that certain surety  
bond executed by Pasco County, Florida, a po-  
litical subdivision of the State of Florida, as  
Principal, and said corporation, as Surety, to  
said State Road Department, as Obligor, dated  
the 2nd day of December, A. D. 1937 in the  
penal sum of \$15,000.00, conditioned to secure  
the performance of a certain Right of Way Con-  
tract dated the 2nd day of December, A. D. 1937,  
between said County and said State Road De-  
partment concerning the acquisition by said  
County of rights of way for Projects 194, 544-A  
Remainder, and 544-B of State Road 5; and said  
surety bond is hereby terminated and cancelled;

PROVIDED, however, that nothing herein shall  
be taken or construed to mean that the Right  
of Way Contract between said County and said  
State Road Department is in any wise impaired,  
modified or affected, except that the County  
shall not be obligated under said Right of Way  
Contract to repay to the State Road Department  
funds advanced, which advancement was can-  
celled by Resolution of the State Road Depart-  
ment adopted at its meeting duly held at  
Tallahassee, Florida, on the 11th day of June,  
A. D. 1945.

### INCREASE OF SECRETARY'S SALARY

On motion of Mr. Campbell, seconded by Mr.  
Fultz, the salary to be paid to the Secretary  
was raised \$45.84 per month, effective March 1st.

### DRAINAGE AT TARPON SPRINGS

Mr. Coloney gave a report on the drainage  
situation at Tarpon Springs, which had been  
the subject of complaint by the Florida Power  
Corporation. He stated there was no negligence  
by the Road Department when building its high-  
way, but he suggested that a ditch along the  
highway would probably help to equalize the  
water and thus aid the situation.

On motion of Mr. Carleton, seconded by Mr.  
Campbell, the following resolution was adopted:

BE IT RESOLVED that, while recognizing no  
liability in connection with the complaint of  
Florida Power Corporation regarding the drain-  
age situation near their property at Tarpon  
Springs, the Department agrees to construct a  
ditch along the highway at this point, in ac-  
cordance with recommendation presented by the  
Highway Engineer, and as indicated on the map  
shown to this Board.

### TRAFFIC ON ROAD 4-A NEAR NAVAL AIR STATION, BOCA CHICA

Mr. Coloney gave a report on the control of  
traffic on Road 4-A adjacent to the Naval Air  
Station at Boca Chica and stated he had re-  
ceived a letter from Rear Admiral J. F. Shafroth,  
Commandant Seventh Naval District, Miami, re-  
questing an easement for the temporary build-  
ings to remain as an encroachment on the right  
of way for the life of the said buildings; also  
that the concrete islands, with sentry boxes re-  
moved, be permitted to remain in place as a  
matter of safety to persons crossing the highway.

On motion of Mr. Fultz, seconded by Mr. Camp-  
bell, the following resolution was adopted:

BE IT RESOLVED that an easement be granted  
to the Navy to encroach on the right of way of  
Road 4-A by use of the present buildings at the  
Naval Air Station at Boca Chica for a period  
of one year.

BE IT FURTHER RESOLVED that the request  
that the concrete islands be left in place in the  
roadway be denied, and the Navy be asked to  
remove them.

### STATE ROAD DEPARTMENT BUILDING— PART OF CAPITOL CENTER

The Chairman advised that the Capitol Center  
plan had progressed to the point where the site  
has been selected for the State Road Department  
Building.

On motion of Mr. Guernsey, seconded by Mr.  
Campbell, the following resolution was adopted:

BE IT RESOLVED that this Board hereby ap-  
proves and authorizes the construction of a new  
building for the headquarters of the State Road  
Department in Tallahassee, and authorizes and  
directs the Chairman to employ an architect  
and proceed to have suitable plans prepared for  
consideration by the Members of this Board.

### TOURIST RECEPTION CENTER

Mr. Guernsey gave a report on the tentative  
plans for the proposed highway reception center  
for Florida visitors. He described the location

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selected as about one-quarter of a mile south of the St. Marys River, on the Atlantic Coastal Highway, U. S. No. 17, in sight of the state-line bridge. The preliminary plans call for a one-story white concrete block building, with tall columns; the inside will have comfortable seats for visitors, adequately equipped rest rooms, large maps of Florida, dioramas of the State's industrial, agricultural and recreational attractions, an orange juice bar, a refrigerating room, a supplemental electric plant for emergency use, and trained attendants will be on duty to welcome visitors, to serve the fruit juice and be equipped to dispense road maps and other Florida literature and give out information about the State. Mr. Guernsey filed drawings of the proposed building and stated that he estimated its cost to be about \$15,000. Steps will be taken to acquire the necessary land.

On motion of Mr. Campbell, seconded by Mr. Fultz, the construction of the building and development of the Center as outlined by Mr. Guernsey was authorized by the Board.

#### BROADWAY BRIDGE

##### Halifax River Bridge—Road 140— Daytona Beach

Messrs. George C. Beck and Elmer H. Blank, County Commissioners, and Charles W. Luther, County Attorney, came from Volusia County in the interest of the Broadway Bridge across the Halifax River on Road 140 in Daytona Beach. Mr. C. H. Overman, Director, and Judge B. A. Meginniss, Attorney, of the State Improvement Commission were called in for a conference on the possibilities of the construction and operation of this bridge, and the matter was thoroughly discussed by the Road Board with the Officials present.

On motion by Mr. Carleton, seconded by Mr. Campbell, it was agreed that the proposed plan for the Department to lease the Broadway Bridge be tentatively approved, and the Chairman and the Attorney for the Road Department were authorized to draw up the necessary agreements and other legal papers, to be presented at the next meeting for final approval.

#### CANCELLATION OF PORTION OF R. B. TYLER CONTRACT

##### Roads 2 and 25 in Fort Myers

On motion of Mr. Campbell, seconded by Mr. Fultz, the letter of agreement dated January 30, 1946 between the State Highway Engineer and the R. B. Tyler Company, Contractor, and its Surety, cancelling Jobs No. 1202-105 and 1204-104 (the resurfacing of streets designated as sections of Roads 2 and 25 in the City of Fort Myers, Florida) from Contract No. 1637, was ratified and confirmed on the part of the State Road Department.

#### RIGHT OF WAY SURVEYS

Mr. DeCamps, Division Engineer of Right of Ways, suggested to the Board the advisability of early continuance of surveys over the State System, particularly with reference to roads constructed by counties and later taken over for maintenance by the Department. Mr. Coloney supported this suggestion and the Board authorized action to put the same into effect.

#### REPAIRS TO JETTIES AT BAKER'S HAULOVER—DADE COUNTY

Mr. Fultz presented the request from Dade County for Road Department participation in the repairs that have become necessary to the two jetties at Baker's Haulover, as they affect the Bridge on State Road 140. The letter from the County Engineer gave the estimated cost of these repairs at \$23,400 and the County Commissioners request that the Road Department pay one-half of this amount.

The matter was fully discussed. Whereupon, on motion of Mr. Fultz, seconded by Mr. Campbell, the following resolution was adopted:

BE IT RESOLVED that this Department contribute the sum of \$10,000 from its Emergency Fund for the repairs to the jetties at Baker's Haulover, Dade County, with the understanding

that the County will furnish the balance of the amount necessary for the repairs as set out in the letter from Earle M. Rader, County Engineer, under date of March 18, 1946.

#### POLICY ON DRIVEWAYS AND TURNOUTS

Mr. Cannon gave a report with recommendations from the Engineers on the matter of the Department's policy for driveways and turnouts. Following a discussion, on motion of Mr. Fultz, seconded by Mr. Campbell, the following resolution was adopted:

BE IT RESOLVED that in order to cooperate with the public in the construction of turnouts, the following rules shall be adopted as the policy of this Department.

- (1) In a rural section where the abutting property owner desires installation of turnouts from an existing road, the Department will furnish the labor for a maximum of two 40-foot turnouts, with a minimum of 10 feet of space between them, or a maximum of one 60-foot turnout, provided the property owner furnishes the necessary pipe not less than 18 inches in diameter, and all other needed materials in accordance with the specifications and plans of this Department. Any additional turnouts or turnouts of greater length than the above shall be installed under the supervision of the Department and according to its specifications, with the entire expense of materials and labor to be borne by the property owner requesting said connections.
- (2) In urban areas, there will be permitted to each lot two entrances of a maximum length of 42 feet each, separated by a minimum of 4 feet of curbing, but curbing shall be required around all corners. The property owner will pay the entire cost of dropping the curb, and all work shall be done under the supervision of the Road Department and in accordance with its specifications and recorded plan.

#### MAINTENANCE UNIT IN JACKSONVILLE

The request from the City Commission of Jacksonville that the Department establish a maintenance office in that city was considered.

On motion of Mr. Guernsey, seconded by Mr. Campbell, the Board authorized the location of a maintenance depot and unit in the City of Jacksonville, for the handling of maintenance on the several highways converging at this point.

#### COOPERATION WITH SUB-DIVISION DEVELOPERS

Mr. Fultz offered the suggestion that the Department could be of assistance to parties planning new developments, subdivisions etc. adjacent to our highways, in the matter of the


laying out of suitable and safe entrance connections with the highways.

On motion by Mr. Carleton, seconded by Mr. Fultz, the following resolution was adopted:

WHEREAS, in the interest of public welfare, it is the desire of this Department to eliminate as many traffic hazards as possible; and

WHEREAS, it has been brought to the attention of the Department that new developments and subdivisions are being laid out adjacent to our main highways,

THEREFORE, BE IT RESOLVED that all officials responsible for the planning and construction of such developments and subdivisions, as well as the county officials whose duty it is



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to approve the plats of same, be urged to use their influence to have all such developments abutting on or adjacent to highways, provided with sufficient inside roads or streets connecting with main entrances, so that traffic entering or leaving the highway can be served by the minimum number of turnouts instead of a separate one for each street or each front lot in the subdivision.

#### FERRY BETWEEN MAYPORT AND PILOT TOWN—St. Johns River, Duval County

The Secretary presented correspondence from the City of Jacksonville and others requesting the Department to install ferry service across the St. Johns River between Mayport and Pilot Town.

Following discussion, on motion of Mr. Guernsey, seconded by Mr. Campbell, the Bridge Engineer, Mr. Fraser, was instructed to make the necessary investigation and inspection for report to the Board at the next meeting.

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#### REPAIRS TO BRIDGES ON ROAD 486 Across Santa Fe River

On motion of Mr. Guernsey, seconded by Mr. Carleton, the Board authorized repairs to Cox Bridge and two smaller bridges on Road 486, the cost to be charged to the Emergency Fund.

The request for this work had been made by Senator W. A. Shands in the interest of keeping open a road from the Santa Fe-Bland tobacco growers to the market at Lake City.

#### DEEDS FOR CERTAIN SURPLUS RIGHT OF WAY TO ORIGINAL OWNERS

On motion of Mr. Carleton, seconded by Mr. Fultz, it was ordered that deeds be prepared and executed returning certain borrow pits acquired for Road 4 in Volusia County, and a small triangular parcel at the intersection of Roads 1 and 13 at Baldwin, to their former owners.

#### PERMIT TO ROCK HARBOR PARK, INC. On State Road 4-A, Key Largo, Monroe County

Request was received from Rock Harbor Park, Inc., for permit to construct and maintain street and parkway and crossroads on right of way of portion of State Road 4-A, on Key Largo, in Monroe County, to afford safe ingress and egress from Rock Harbor Park subdivision to said road.

Upon discussion of the matter it was moved by Mr. Fultz, seconded by Mr. Campbell, and adopted by the Board that a revocable permit be prepared by the Attorney for the Department and submitted to Rock Harbor Park, Inc., and if accepted and executed by it that thereupon the Chairman and Secretary of the Department be authorized to execute the same on behalf of the Department.

#### IMPROVEMENT OF GANDY BRIDGE

Mr. Campbell presented the matter of covering the track rails on Gandy Bridge and the question of whether the bridge could be resurfaced, as requested by the St. Petersburg Chamber of Commerce. Mr. Coloney and Mr. Cannon advised that the resurfacing job would be practicable.

On motion of Mr. Campbell, seconded by Mr. Fultz, the Board agreed to have the new surface laid on Gandy Bridge, including the necessary work to make the rails safe to traffic.

#### DEATH OF CLAUDE C. CLEMENTS, ENGINEER-INSPECTOR

On motion of Mr. Campbell, seconded by Mr. Guernsey, the following resolution was adopted:

WHEREAS the Members of this Board have just learned of the tragic accident which resulted in the death of Claude C. Clements of Ft. Meade, Engineer-Inspector in the First Division, an employee of the State Road Department for the past nine years,

THEREFORE, BE IT RESOLVED that we hereby express our deep regrets at the loss of a faithful employee, and extend to his wife, Maybelle C. Clements, and his son, C. Vernon Clements, our sincere sympathy in their bereavement.

BE IT FURTHER RESOLVED that copies of this resolution be furnished to the family, and the papers of Ft. Meade and others in Polk County, and be recorded in the minutes of this meeting.

#### MUCK SOILS AND ROAD BUILDING IN FLORIDA

Mr. Fultz brought up for discussion the question of the many problems and difficulties arising in connection with road building in many sections of South Florida due to the deep layer of muck found in certain areas, and suggested the benefits that might result from a study of the handling of this type of soil.

On motion of Mr. Fultz, seconded by Mr. Carleton, the following resolution was adopted:

BE IT RESOLVED that all facilities of this Department be directed toward an intensive scientific study of the muck situation as it affects roadbuilding in Florida, with a view to finding some method or process for satisfactorily stabilizing the muck in place, thereby saving to the State the costly necessity of its removal from the roadbed.

BE IT FURTHER RESOLVED that the proper agencies of the Federal Government be requested to make a similar study and give this Department the benefit of their findings.

#### REQUEST FOR DRAINAGE IN NEW SMYRNA-DELAND DISTRICT

The Secretary presented a letter from Mr. I. Walter Hawkins, Supervisor and Attorney for the New Smyrna-DeLand Drainage District, asking the Department to open certain ditches and widen certain canals leading north from State Road No. 75 in an area of the said District. After consideration of the request and a conference with the Department's engineers, the Board agreed that it could not grant this request at this time, and the Chairman was requested to so advise Mr. Hawkins.

#### REPAIR OF BRIDGES IN HIGHLANDS COUNTY

A telegram from Mr. M. R. McDonald, County Attorney of Highlands County, requested the re-

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pair of four bridges on State Road 59, near Lorida in Highlands County. The County offered to furnish \$5,000 and asked the Department to allocate the balance of the amount needed, or at least \$10,000. The Board considered the request, and concluded that in view of the sums already in the budget for construction and maintenance it could not at this time participate further in county-maintained projects, and authorized such a reply to Mr. McDonald.

#### BEE LINE HIGHWAY

A letter was received from Senator Harry E.

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King, of Polk County urging the early survey of a portion of the Bee Line Highway.

#### NEXT MEETING

The Board agreed to hold its next meeting on May 16, at the El Comodore Hotel in Miami, and the meeting was adjourned.

### INTERNES IN GOVERNMENT

(Continued from Page 14)

ing of major programs. Some found the experience of observing personnel techniques useful in their later positions. Some learned to interpret statistics and to present them in graphic form. Several stressed the importance of governmental research and the techniques of organizational planning. Another student observed that her internship had given her primarily a feeling of responsibility to her fellow workers, to her particular agency, and to the public.

Internship programs similar to those at Florida State College for Women are now offered in approximately one hundred American colleges and universities. Public administration is a comparatively new field in the college curriculum. The undergraduate programs do not attempt to meet the vocational requirements of specific positions, but rather to give their students a broad knowledge of governmental problems and such administrative skills as are

basic to effective public service. It has been demonstrated that observing experienced administrators at work is a valuable supplement to the political science curriculum, promoting a professional attitude on the part of the student toward government service. It is a major aim, however, of the internship program to interest students in public service not only as a profession—and this is especially true in the women's colleges—but as a continuing civic attitude.

### FLORIDA BYWAYS

(Continued from Page 12)

crabs and out into the Gulf for fish. As a conservation measure, no oysters are shipped during the summer months, but they're taken and eaten locally every day in the year. And Apalachicola oysters are among the finest.

Out along Lagoon beach, west of town, surf bathing is at its finest in summer and pirate gold again enters the picture at Money Bayou where the storied buccaneer Jean Lafitte is said to have buried his plunder from Spanish galleons. Another picturesque feature of Apalachicola is Trinity Church, dedicated in 1838, a fine example of early attempts at pre-fabrication of buildings. Built in New England, it was sent in sections to Apalachicola by sailing vessel and there erected without the use of a single nail or screw, just wooden pegs.

Yes, Florida is moonlight nights and sandy beaches, Miami and St. Petersburg. But it's also Mandarin and Apalachicola, sugar cane and shrimp, and a lot more to reward the tourist who leaves the highway for the byway in search of the quaint, the unusual and the picturesque.

### FLORIDA FOURTH ESTATE

(Continued from Page 23)

became disgusted and decided to call off the whole business—and even the usually punctual secretary of state was all of two minutes late.

Shame on the whole bunch of 10 o'clock scholars who compose the cabinet that didn't meet.—Lakeland Ledger

The stumblebum fighter just has a lazy streak, says a promoter. He seldom gets up before 10.



## WATER CONSERVATION

(Continued from Page 17)

to as the common-law doctrine, or the doctrine of riparian rights. It had its beginning in England and the English colonists brought the laws of England to America and the common-law became the basic law of the first states. The doctrine of riparian rights is based upon the ownership of land contiguous to a stream without regard to the kind of use or to any actual use at all. Under the strict common-law, the owner of riparian land is entitled to have the stream flow by or through his land undiminished in quantity and unchanged in quality. The right to use for irrigation or for other purposes under the common-law is a modification of the common-law doctrine made by the courts. It is a right to the use of the flow of the stream, with due regard to the equal rights of all other such owners to use it for similar purposes and is not the ownership of the water itself.

Under the common-law doctrine the right to use stream water is regarded as real property and entitled to protection to the same extent as other property. After the water has been diverted from its natural source and reduced to possession, the water itself becomes the personal property of the common-law claimant. The right to the use of water is an incident to the ownership of land. Only land contiguous to or abutting on a natural stream or lake is riparian land.

The common-law doctrine is not founded upon use, and in the absence of statutory modification, this right is not lost by non-use. The right to the use of water from water courses of contiguous landowners results solely by reason of location, and regardless of relative productive capacities of such lands or uses. The right attaches to the land at the time such land passes to pri-

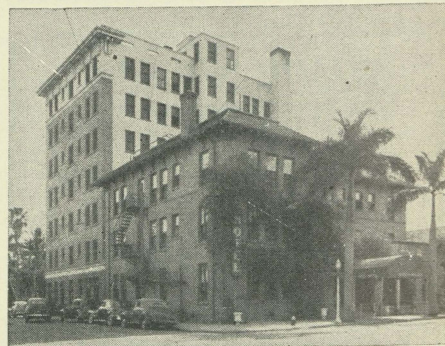
vate ownership. It is co-equal with the right of every other riparian owner on the stream regardless of the relative dates on which the several tracts passed into private ownership.

Under the general doctrine as to the rights in percolating waters, known as the common-law or English rule, they are regarded as belonging to the owner of the freehold, like the rocks, soil and minerals found therein; and such owner may, in the absence of malice, intercept, impede and appropriate such waters while they are upon his premises and make whatever use of them he pleases, regardless of the fact that his use cuts off the flow of such waters to adjoining land and deprives the adjoining landowner of their use.

The second doctrine with respect to the use of water may be termed the doctrine of prior appropriation. Most western states have adopted this doctrine either exclusively or in part for surface water because it leads to maximum development and use. Its origin in this country is interesting. Early Spanish emigrants settled in Mexico

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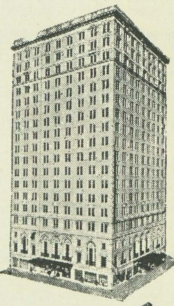
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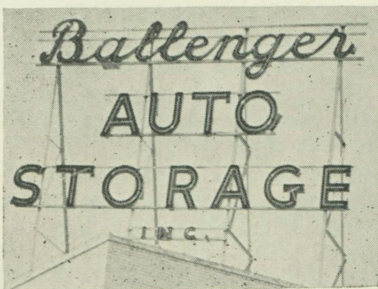
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and moving northward brought with them the law of southwestern Europe. This law had its origin in Imperial Rome. The customs and laws of the West concerning water and water rights have therefore been primarily influenced by the old Roman law. It is difficult to over-estimate the importance of this fact to the development of the West, where water use problems are in general far more acute than in other parts of the country, since the doctrine of prior appropriation leads to a far better and more equitable use of water than does the doctrine of riparian rights.

The statutory doctrine of prior appropriation is based upon the time of use and the actual application to beneficial use without regard to the ownership of land contiguous to the stream, or of overlying land. This right attaches to the water course or ground water source of supply and is a right to the use of water from such source and not ownership of the water itself.

The essence of the appropriation rule is the right of an early appropriator to continue to divert from a source when the supply naturally available becomes insufficient for all those holding rights, the first in time being the first in right as determined by effective date of the appropriation: **first in time; first in right.**

Many of the states which came into statehood with their constitutions silent on water use rights, and with early legislatures recognizing the application of the common-law doctrines on this subject, have now abandoned this doctrine as impractical and ineffectual in promoting both development and conservation of this natural resource. Other states have by constitutional amendment, legislative enactments and judicial decrees modified the common-law doctrine by subordinating it to the doctrine of prior appropriation; they have provided for the protection of common-law rights then in use, against impairment, by administrative or judicial determination of such active uses; and have either terminated unused common-law rights under police power or have provided for a system of compensation of these undeveloped potential rights.

The adoption of the appropriation doctrine does not take from the com-

mon-law owner any substantial rights which have value sufficient to be capable of being measured, but rather provides for a system of protection of development and financial investments in the appropriation and diversion works of the diligent person who perfects his use and realizes beneficial returns, as against such potentially present and almost valueless undeveloped equal rights to divert and use, recognized by the common-law doctrine.

As overdevelopment takes place, each user under the common-law doctrine obtains a smaller and smaller share of the common water supply, **even if he was among the first to develop his use of water.** Furthermore, he sustains a loss of at least a part of his investment as he becomes limited to smaller quantities of water than those for which he built his works. Under the appropriation doctrine, the owner of land abutting on the stream when he begins his use is given the protection which any appropriator receives, in his order of priority, and thus is not subject to injury by later users. He who puts to beneficial use a surface or ground water supply should not thereafter be subject to injunction by a common-law claimant who has not previously established uses for reduction in the flow of the stream or reduction of the ground water supply. On the other hand, any

common-law user who is damaged by the use of water by an appropriator should have the right to recover for actual damages.

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ern states and in a number of those in the East the legislatures have set up an administrative procedure for the apportioning and use of water under suitable state agencies. The last to do so was the State of Kansas where such legislation became effective June 28, 1945. In approaching the problem the Governor of Kansas used a committee of ten to make a careful study and submit its recommendations. The findings of the committee with respect to the actions which they deemed to be necessary are so lucidly stated and cover so completely all phases of the problem that they are quoted below:

"(1) to determine, define and protect existing common-law uses; (2) to place limitations upon unused common-law rights as now recognized in this state and subordinate them to appropriation rights; (3) to allow a common-law owner of unused water rights a means of recovery for such damages as he is able to prove he has suffered by any injury or impairment of his property or of any right to initiate a later use of water; (4) to deny injunction relief to common-law owners who have not initiated any use of water or who have not begun the construction of any diversion works; (5) to authorize injunction relief for the protection of an appropriator under the act as against a common-law owner who seeks to initiate a common-law use after the effective date of this act; (6) to clothe a central state administrative agency with the authority to control the appropriation of water as directed by the act and in conformity with the legislation now in practical operation in many states; (7) to establish principles for appropriation and use of water with a view toward conservation of this natural resource for the greatest benefit of its people and to prevent waste of water by permitting its flow on toward the ocean."

In Florida a State Committee on

Water Resources was appointed by Governor Spessard L. Holland and Governor-Elect Millard Caldwell to make a similar study and to prepare legislation having for its object the conservation of Florida's surface and ground water resources. The members of the Committee were:

Frank L. Holland, Chairman, Winter Haven. Agricultural Improvement Research.

L. A. Wesson, Vice-Chairman, Tallahassee. Ice Manufacturer.

W. A. Glass, Secretary, Miami. City Official.

Harry E. King, Winter Haven. Attorney.

A. B. Michael, Wabasso. Citrus Grower. Frank Sterling, Ft. Lauderdale. Citrus Grower.

Lacey G. Thomas, Groveland. Publishers Representative.

Amos H. Davis, Mt. Pleasant. Farmer. Warren Roberts, Orlando. Editor.

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James A. Allen, Pensacola. Lumberman.

M. L. Fleishel, Shamrock. Lumberman.

Wallace Sturgis, Ocala. Attorney.

Doyle Carleton, Tampa. Attorney.

Leo H. Wilson, Bradenton. Citrus Grower.

It is interesting to note that this Committee carried out its work in almost exactly the same manner employed by the Kansas committee. It held seven public hearings in order that all interested parties and groups might have a chance to present and discuss their water problems. It consulted with technically trained men familiar with Florida's water supply problems. Because of the comprehensive nature of the program which the Committee set for itself and the thorough manner in which it was carried out, its Report not only points the way toward a real program of water conservation for Florida but constitutes an important addition to the literature on the hydrology of the state. It prepared a bill which was introduced into the Legislature as Senate Bill No. 190. The bill as prepared by the Committee failed to pass. It is interesting to note the striking similarity between this bill and the Kansas law. In the first place both are based on the doctrine of prior appropriation. Section 1 (a) of the Florida bill reads as follows:

"All water within the State of Florida is the property of the people of the State, but the right to the use of water may be acquired in the manner provided by law."

Section 2 of the Kansas law reads as follows:

"All water within the State of Kansas is hereby dedicated to the use of the people of the State, subject to the control and regulation of the State in the manner herein prescribed."

Both gave adequate protection to present users of water and to investments depending on such use. Section 3 of the Kansas law reads as follows:

"Subject to vested rights, all waters within the State may be approved for beneficial use as herein provided. Nothing in this Act contained shall impair the vested rights of any person except for non-use."

Section 11 of the Florida bill reads as follows:

"Any rule, regulation, or order made and adopted by said Department in the administration of this Act shall be subject to review by the Circuit Court in the Judicial Circuit in which the matter arose, or in which the greater portion of the area affected is located. The Circuit Courts are hereby vested with jurisdiction to review any rule, regulation or court order made and adopted

by said Department. The Final judgment of any Circuit Court entered on any matter reviewed by it, as authorized under the provisions of this Act, shall be subject to review on appeal by the Supreme Court of Florida, under rules which now, or may hereafter, govern appeals in Chancery."

Legislation was enacted by the 1945 Florida Legislature providing for the creation of county water conservation districts. At least two such districts

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have been organized, one in Dade County and one in Pinellas County. However, the doctrine of riparian rights, except as modified by local or special statutory provisions, still governs the use of water in Florida.

#### Some Municipal Water Supply Problems

Florida municipalities are vitally concerned with legislation which may be enacted for the conservation and control of natural waters. The water works industry, not only in Florida but elsewhere, is one of the most essential, perhaps the most essential of all of the industries comprising our modern technology. It is submitted as an axiom that, no matter what the cost may be, every Florida municipality must have an ample supply of water meeting all of the standards of quality set up by authorized accrediting agencies and fully adequate for both present and future needs. This being true, then it logically follows that the need of cities for safe and adequate water supplies must take precedence over all other conceivable needs and possible uses to which those supplies might be put. This is clearly recognized in the Kansas law, Section 1 (b) of which reads as follows:

"Where appropriations of water for different purposes conflict they shall take precedence in the following order, namely: Domestic, municipal, irrigation, industrial, recreational and water power uses."

The Florida bill was almost equally specific. Section 4 outlined the duties of the proposed new Department of Water Resources and Section 4 (g) read as follows:

"To make and adopt regulations for the use and re-use, and to prevent the waste, of fresh water in this state in all cases determined by the Department to be necessary; provided, however, that municipalities and private interests supplying fresh water to municipalities in this state are expressly exempted from the provisions of this paragraph, in the use and re-use of fresh water."

Such provisions, while vitally important to municipalities, are of little significance as far as the over-all picture is concerned, since the total amount of water involved is only a minute fraction of that available. For example, to irrigate a 100-acre citrus grove with 2 inches of water only twice per year requires 10,860,000 gallons of water, equal to the total annual requirements of a small town water works supplying 300 consumers. Again, assuming that the 2,187 artesian wells in Seminole County flow at an average rate of only 50 gal-

lons per minute for 12 hours per day, the total daily yield would be 78,000,000 gallons of water, approximately the combined peak daily requirements of the cities of Miami and Jacksonville. As a last example, the total daily requirements of all of the 237 municipal water works in Florida, amounting to slightly over 100,000,000 gallons per day, is only equivalent to a rainfall of one inch on 6 square miles. The total annual consumption by all Florida municipalities, approximately 36,500,000,000 gallons, is only equivalent to the average rainfall of 52.7 inches on 40.5 square miles, or about 0.07% of the annual rainfall.

Some of the more important problems

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affecting municipal water supplies in Florida are:

1. Present demonstrated inadequacy of existing supply. This, the most serious of all water supply problems, is now being squarely faced by at least two Florida cities of considerable size and to a lesser extent by several others. The number is certain to increase in the future unless proper conservation measures are taken. Perhaps the two most important contributing factors are (a) excessive and poorly planned surface drainage and (b) the wasteful and uncontrolled flow of artesian wells.
2. Past or potential future contamination of wells due to vertical or lateral intrusion of salt water. Most of the cities on or closely adjacent to both the East and West coasts either face or have faced this problem to some degree. Several have abandoned well supplies in favor of surface supplies because of it.
3. Present or potential future contamination of well water due to disposal of sewage, trade wastes or storm waters in drainage wells penetrating usable water aquifers. This practice is no longer permitted, but, as has been stated elsewhere in this study, considerable damage has been done in several areas. Contamination, not only of underground waters, but also of bays, rivers and lakes makes it imperative that Florida's municipalities resort to adequate sewage treatment at the earliest possible moment.
4. Excessive first cost and excessive treatment cost due to water of poor chemical quality. While quantity must always take precedence over quality in the selection of municipal water supplies, the latter is nevertheless of importance for economic reasons. Several Florida cities have within the past few years changed their source of raw water solely for that reason.
5. Possible future inadequacy or contamination due to use of water for air conditioning. This problem is not of great importance at present but it is certain to become so with developments in this field in the post-war period. The opportunity is thus presented to guide its development and to regulate it in an effective manner.

The proposed Florida bill provided, and rightly so, that the State Board of Health should not be deprived of any of its existing legal authority

with respect to the protection of water supplies from the standpoint of public health.

#### Summary and Conclusions

It is correct to say that the State of Florida, as a whole, still remains in a comparatively fortunate position with respect to water supply. There are three reasons for this statement. In the first place, her average annual rainfall is one of the highest in the United States. Her problem is fundamentally not so much water conservation as it is water management and control. In the second place, her water problems are to a large extent self-contained. This is almost completely true of Central and Southern Florida where both surface and ground water supplies have their origin in rainfall within the state. The statement does not hold, as has been previously pointed out, for North and Northwest Florida, where both surface and ground waters originate in part in both Georgia and Alabama. In the third place, the enactment of adequate water control legislation can be done before irreparable damage has tak-

en place. That some damage has been done is generally recognized and specific examples have been given, but it is fair to state that it has not proceeded as far as it has in some other states.

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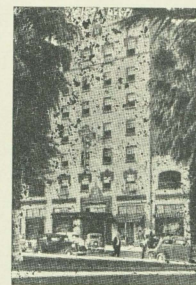
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Careful study and impartial analysis of all available data lead to the inescapable conclusion that if Florida is to have an adequate and effective program of water conservation, two things must be done. First, the doctrine of riparian rights must be abandoned in favor of the doctrine of prior appropriation as the guiding principle and legal basis governing water usage, as has been done in so many other states. Second, this legislation must be implemented by the establishment of some sort of water authority, commission or board, on a state-wide basis, so constituted and staffed that it will be capable of planning, controlling and administering the development of these vitally important water resources for the best interests of all the people of Florida. This legislation should include provisions for the review and equitable settlement of all claims on the part of water users who might be damaged by such action.

It is difficult to understand how any one could take exception to such a program. It has become more and more evident that water conservation is regional planning and that the units of such a program cannot be less than those established by the water itself. Such a program would not necessarily interfere with the operation of existing local authorities, largely drainage districts, but it would effectively tie them together into an integrated pattern and supply the element of over-all planning so urgently needed if success is to be achieved. It is to be hoped that the time is not far distant when Florida may take her place among those states having adequate legislation for the development and control of her water resources for the greatest public benefit. It would be difficult to over-estimate the importance of such legislation to her future growth and development.

## IT HAPPENED IN FLORIDA

(Continued from Page 36)

finally came to life and gingerly lifted the receptacle of sudden death from the man's fingers. Accompanied by an army MP, he headed for the waterfront, where the pin was pulled and the grenade heaved into the bay.

Imagine Russian, Chinese, French, Italian and Spanish speaking people, many unable to understand one another, trying to learn a new language — English — from a teacher who speaks only English. Such a class exists at Brewster Vocational School in Tampa and the pupils are reported to be making excellent progress.

A lovely spring morning enticed a 15-year-old St. Petersburg boy to build a tree house instead of going

to school and a whole neighborhood to suffer from shattered nerves. An agitated call to police told of a "fiend" who had strung the boy from a tree by his wrists and the boy described the culprit as a "thin man in a black mask," who "grabbed" him and hung him in the tree. The boy finally confessed he'd tied himself up while building a tree house and had gotten entangled trying to hoist himself up into the tree.

Two nine-year-old boys stole a suitcase and stored it in a locker of the FEC railroad station at Miami, but railroad detectives saw them do it. They were turned over to the city juvenile bureau.

Tampa police are a little tired of seeing Geneva Davis, 18, described by Vice Squad Chief Bolesta as his latest "problem child." Tuesday, Geneva was convicted of drunkenness and fighting with a patrolman when he arrested her. A boy friend paid the fine and she was released. Thursday night a male companion complained to police that Geneva had robbed him of \$60, but evidence was too weak to substantiate the charge. Thursday, she was back before the Municipal Judge to plead guilty to vagrancy and was ordered to serve 15 days in City Stockade, after which the police hope she can be returned to her home in the North.

Some people don't seem to have much consideration when it comes to stealing money. St. Augustine Camp Fire Girls, conducting a baby show

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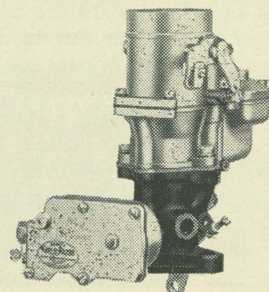
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during Camp Fire Week, placed in the various stores jars in which pennies could be dropped as votes for the babies entered in the baby show. Two of these jars, containing an amount estimated at \$35, were stolen and the Camp Fire Girls are quite discouraged.

In Tampa, a woman snatched a package held by a 3-year-old boy while his mother was paying a bill at the Courthouse.

Patty Clark, 13, of Miami was seriously injured when she jumped from a moving automobile because of an argument about church youth organizations.

Johnnie Woodward, 14-year-old Tallahassee high school student did not wait for the postwar automobiles. He just summarized the whole situation and manufactured his own automobile. He called it Model one and got a license tag for it, and says it would be a dream car if he ever could get one breakdown repaired before another occurs.

A young Chinese piano and marimba recitalist, Gene Eng, 7, of Miami was heard at a recent meeting of the Miami Beach Woman's Club.

A negro appearing before a Tampa Justice of the Peace was asked if he pleaded guilty or not guilty to a bicycle theft charge. He replied, "I'm not guilty of stealing the bicycle, but I'm guilty of being caught with it."

Miami city officials are wondering how anyone could have stolen two davenport from the rest and recreation room for city employees on the third floor of city hall without being caught, but the davenports have disappeared.

Almost half a century ago when M. M. (Dad) Lee, Winter Haven's 83-year-old publisher and editor of the Daily Chief, was postmaster at St. Marys, Kansas, one of his clerks unwittingly gave a customer \$20 too much change. Mr. Lee recently received a letter from the postmaster at St. Marys, enclosing \$20 and an unsigned letter, which indicated the writer was bothered by his conscience at this late date and wanted to make good.

Jacksonville traffic was heavy and a little old man on crutches was crossing the street. Suddenly the light changed, and the aged man was caught between buses going one way, cars another. Other people alongside of him scooted out of the way hurriedly as a cab shot toward the

pedestrians, but not the little old man. He continued calmly across the street directing this remark toward any drivers who cared to listen: "Hit me gently, folks, I am growing old."

## COUNTY ACTIVITIES

(Continued from Page 21)

paring to redesign a large portion of learned that John O. Preston, who drew Dade County zoning picture. It was up the land use rules established in 1937, has been employed by the county commissioners to survey their application and to present conditions and recommend changes. The commissioners created a six-man airport zoning board empowered to establish new zoning regulations for hazardous areas adjacent to landing fields.

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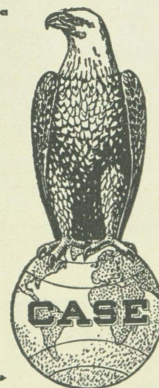
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## OFFICE CROWDING

(Continued from Page 15)

cating that all records will fall this year. This steadily climbing volume of business has caused a continual packing of personnel and records into space that does not enlarge as the demand increases.

Title business handled by the Motor Vehicle Department has increased 70 per cent this year over the volume of auto theft business handled in the same period last year and every change in title causes a considerable amount of detail work. The license department has increased approximately 100 per cent over that of the same period last year. There are now on the records nearly \$150,000,000 in liens.

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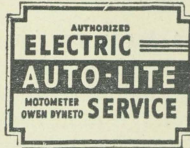
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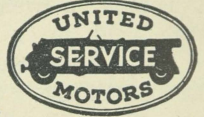
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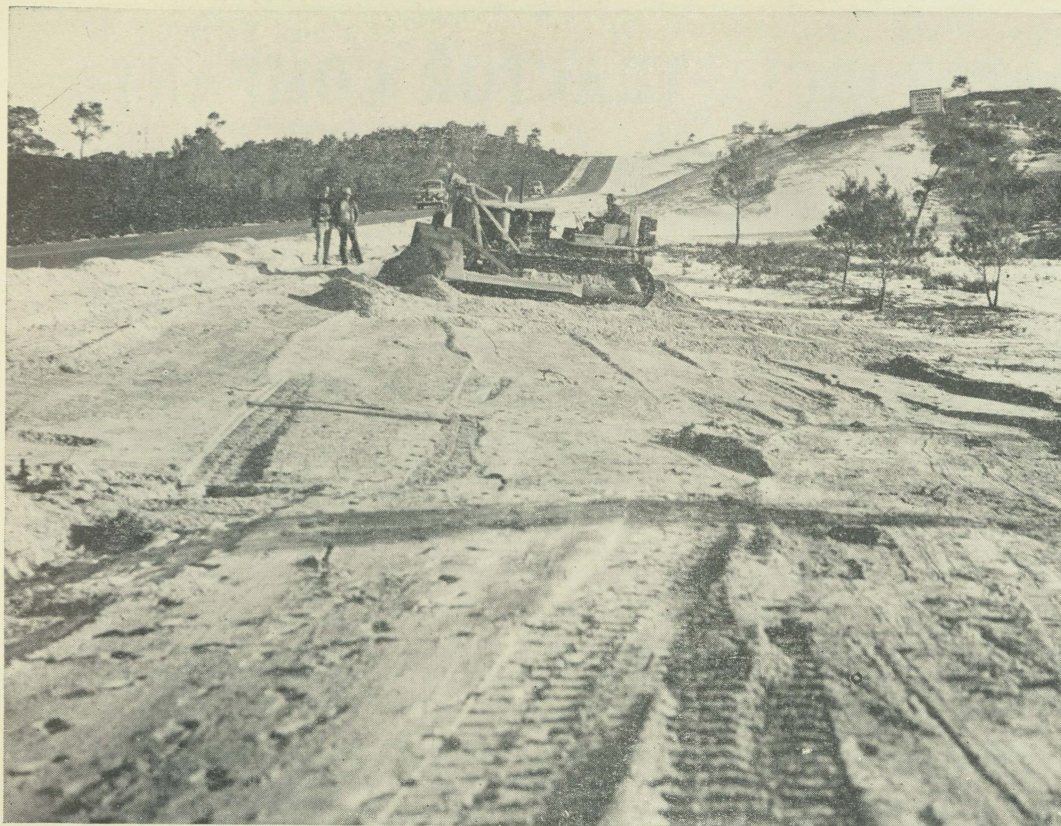
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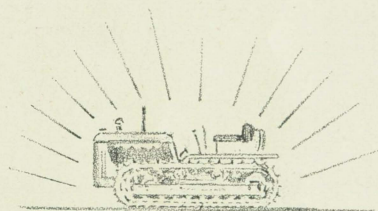
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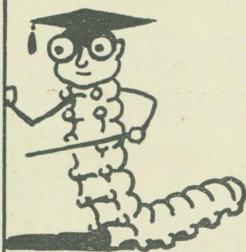
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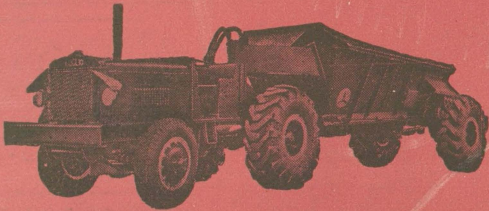
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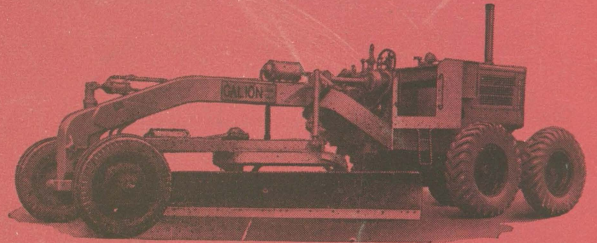
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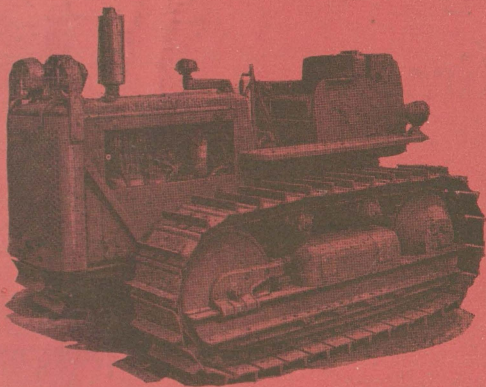
Galion Motor Grader

In addition to a sales force, we have Service and Parts Depots located at the above points in order to assure owners of International Tractors, Industrial Wheel-Type Tractors and Power Units, as well as other equipment distributed by us, receiving prompt and efficient service. Your patronage will be appreciated.

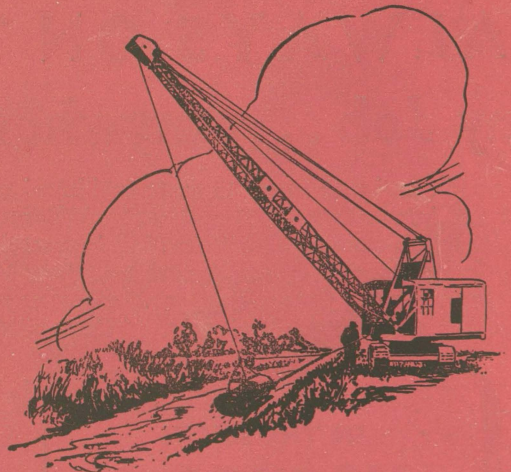
## BUILT ON SERVICE

Sales Representatives located

JACKSONVILLE, TALLAHASSEE, LAKELAND, BRADENTON, TAMPA, ORLANDO, WEST  
PALM BEACH and MIAMI, FLORIDA—WAYCROSS and SAVANNAH, GEORGIA



Model TD-9 International TracTracTor



Northwest Dragline

## DISTRIBUTORS FOR:

Heil Scrapers, Bulldozers, Etc.  
Wooldridge Pneumatic Tired Scrapers,  
Bulldozers, Etc.  
International TracTracTors—Diesel  
Power Units  
Bucyrus-Erie Scrapers-Bulldozers  
Northwest Cranes-Draglines  
Euclid Hauling Equipment  
Cleaver-Brooks Tank Car Heaters  
Jaeger Mixers, Pumps, Hoist, Com-  
pressors and Paving Equipment

Etnyre Distributors  
Galion Dump Bodies  
Rogers Low-Bed Trailers  
Galion Graders-Rollers  
FWD (Four Wheel Drive) Trucks  
Heltzel Bins - Forms  
Trojan Patrols - Tamping Rollers  
Murphy Diesel Marine Engines  
Elgin Pick-Up Sweepers and  
Refuse-Getters  
Cedar Rapids Asphalt Plants

We also handle many other popular lines of construction and industrial machinery in addition to a complete stock of rebuilt equipment for rent or sale.